

Figure 1A

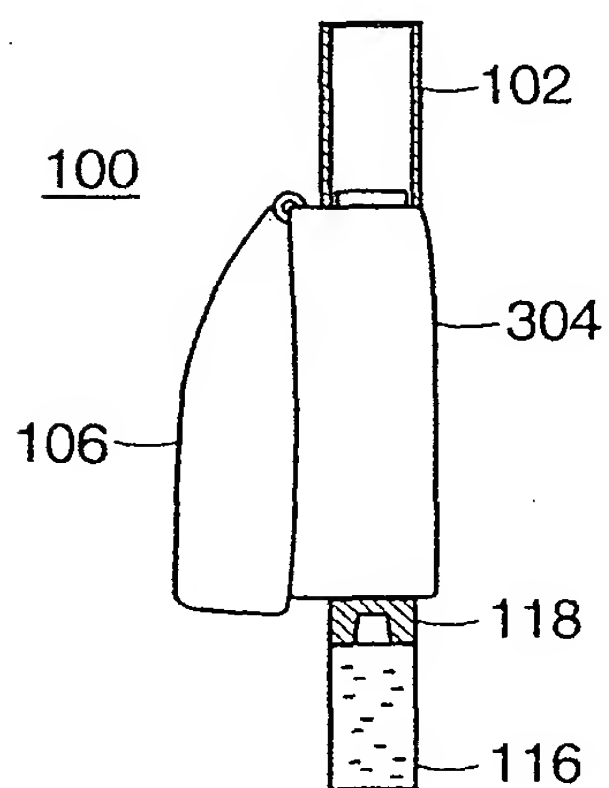


Figure 1B

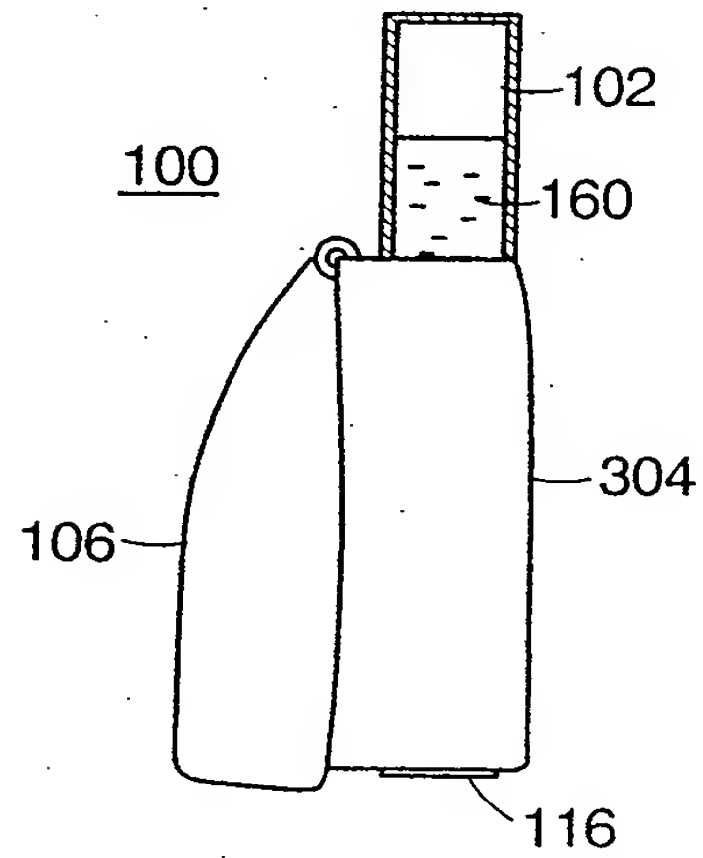


Figure 1C

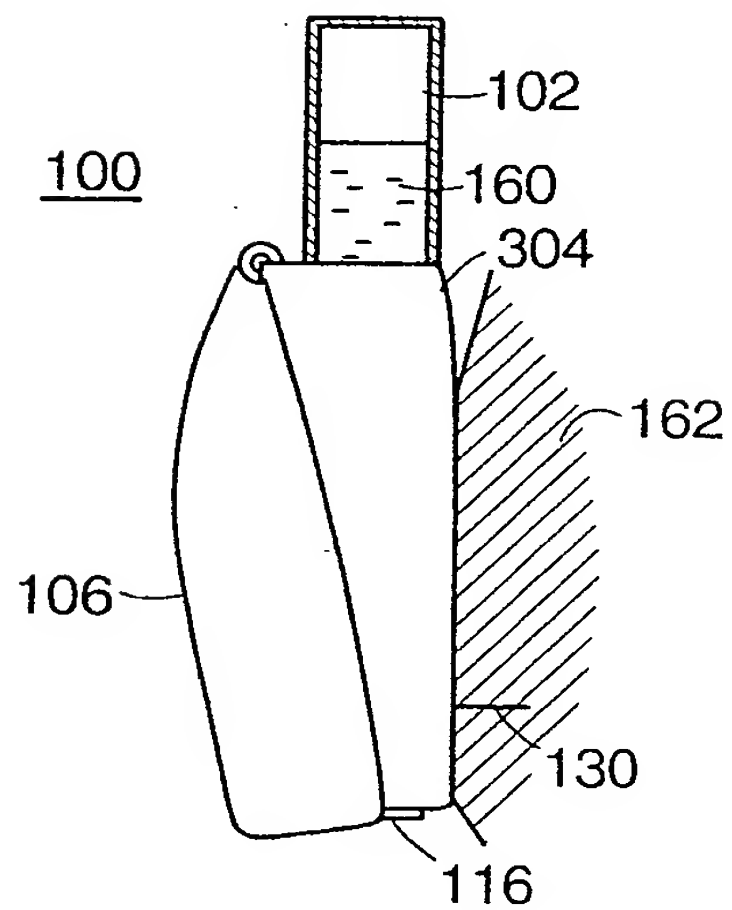


Figure 1D

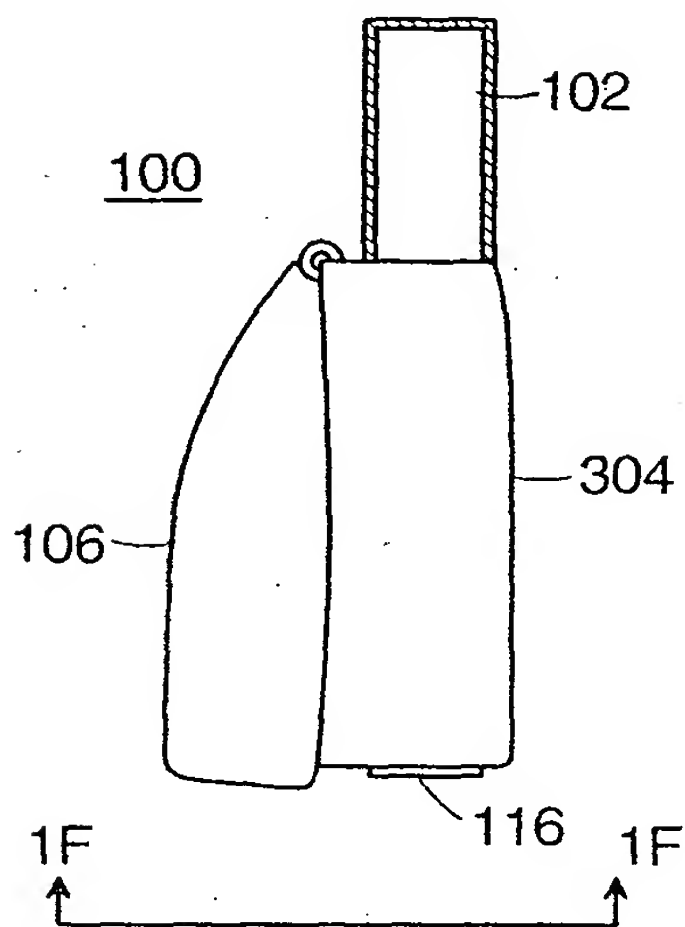


Figure 1E

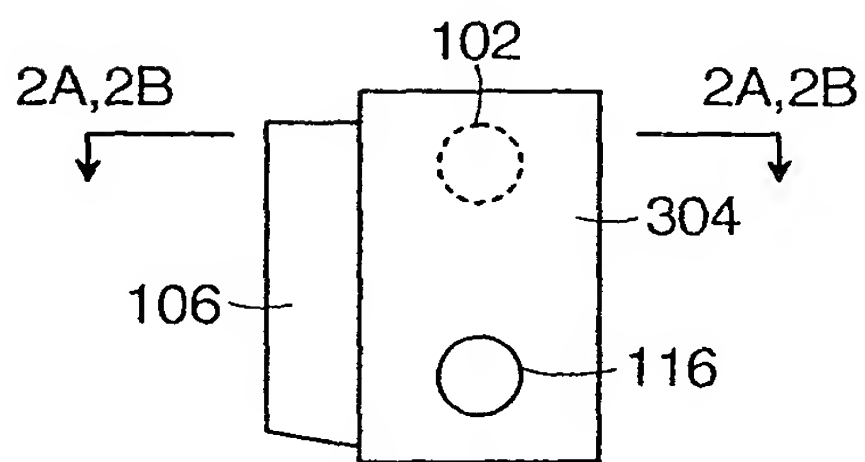
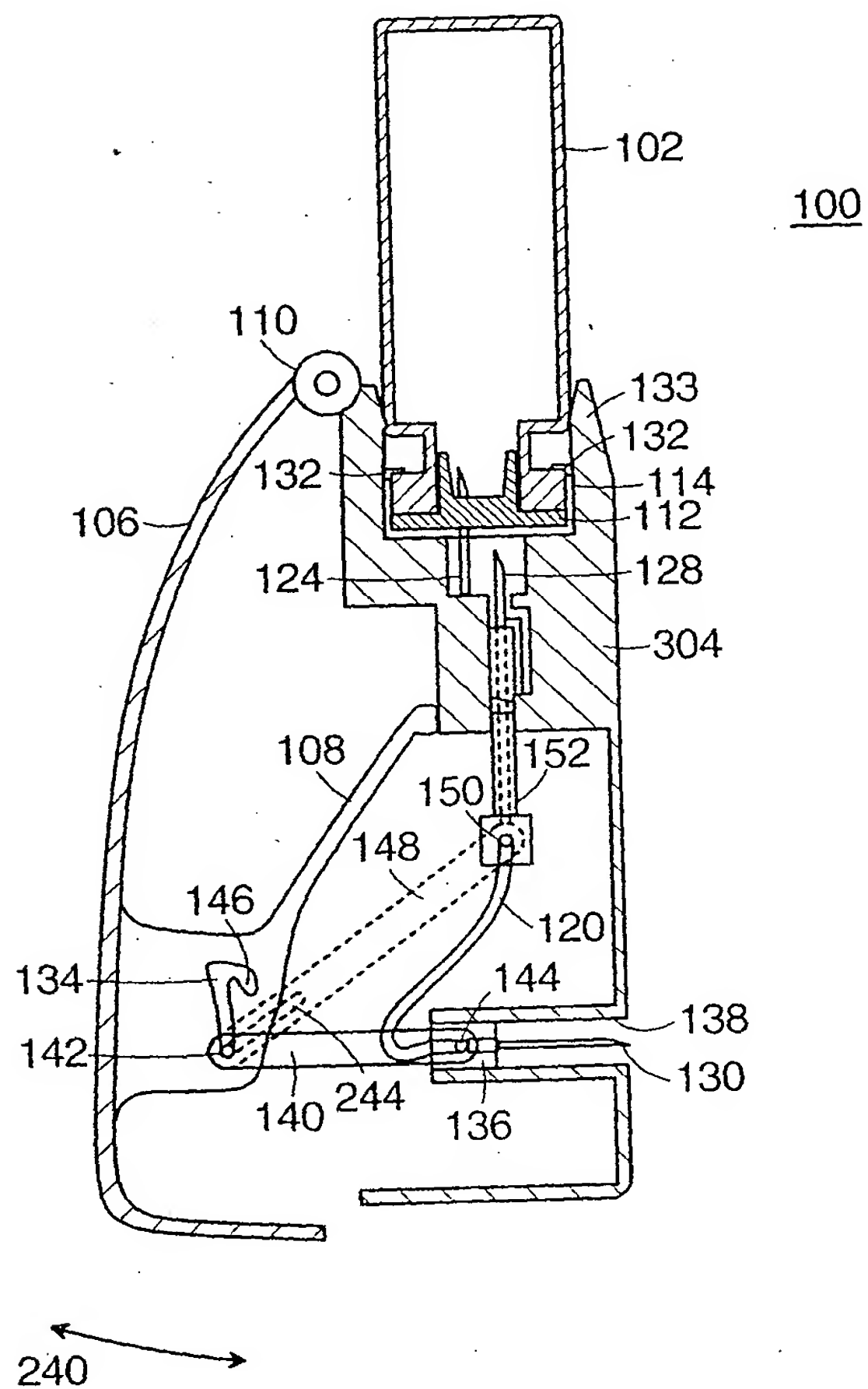


Figure 1F



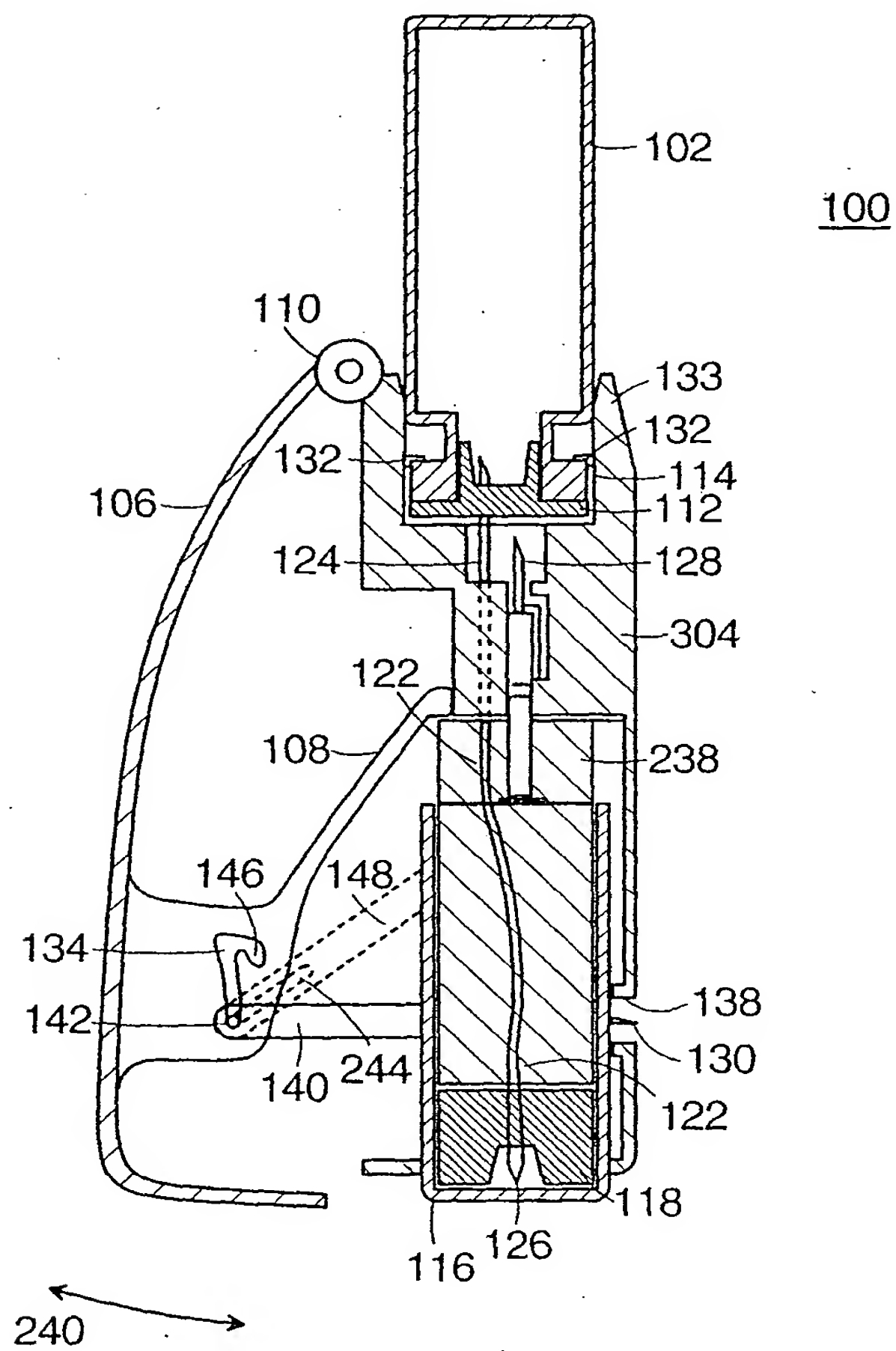


Figure 2B

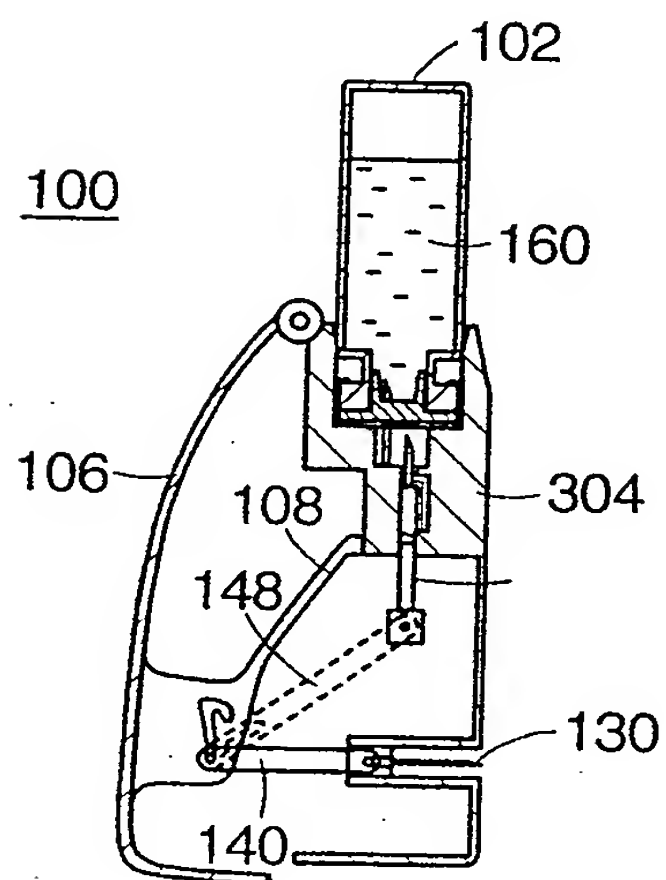


Figure 3A

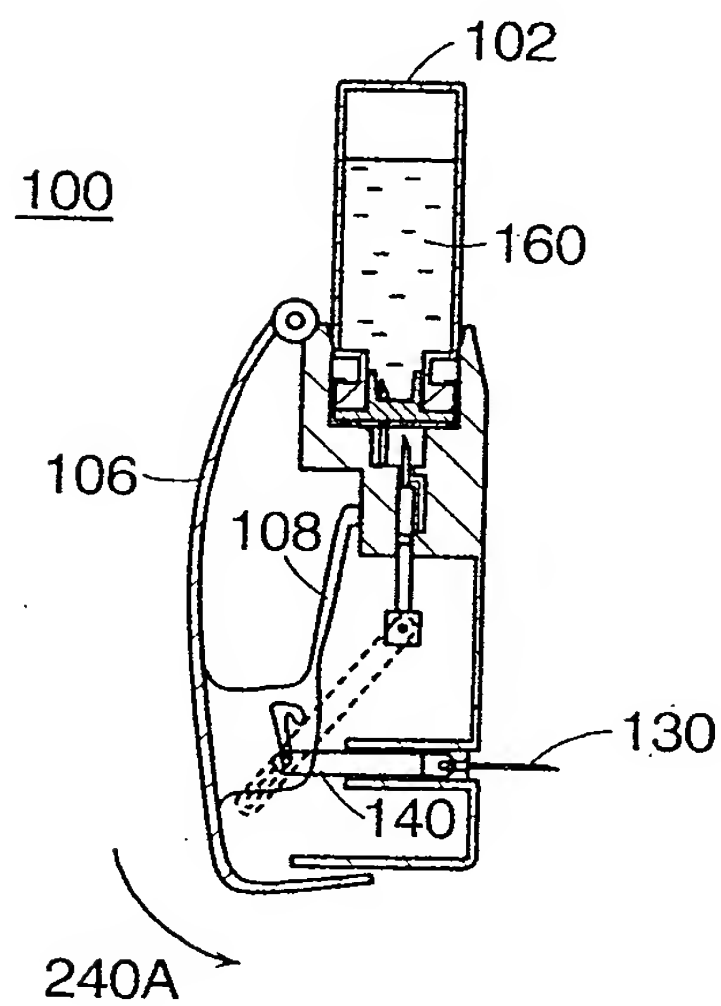


Figure 3B

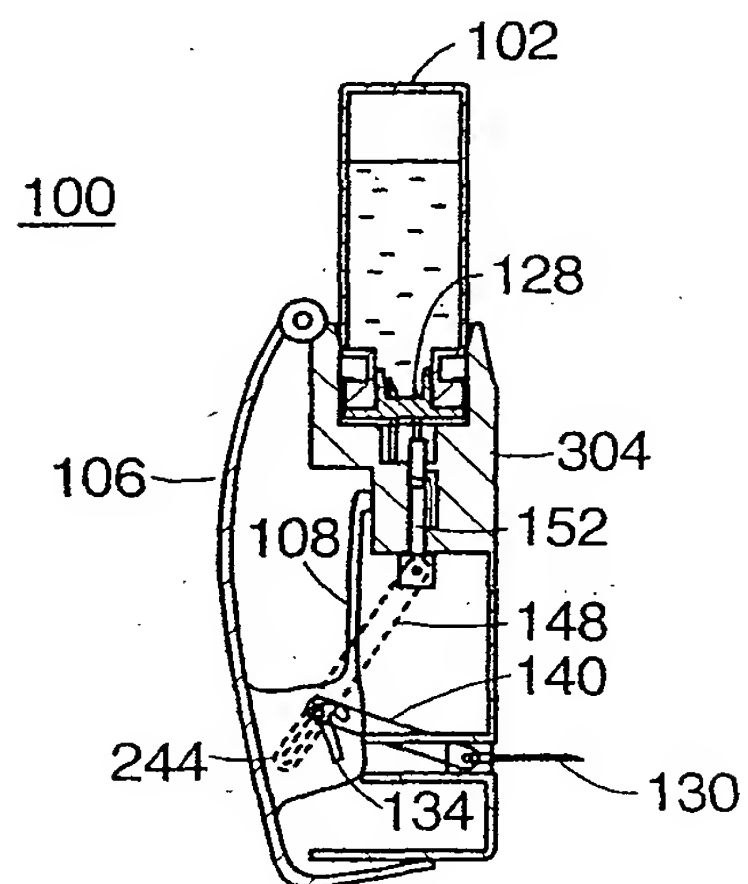


Figure 3C

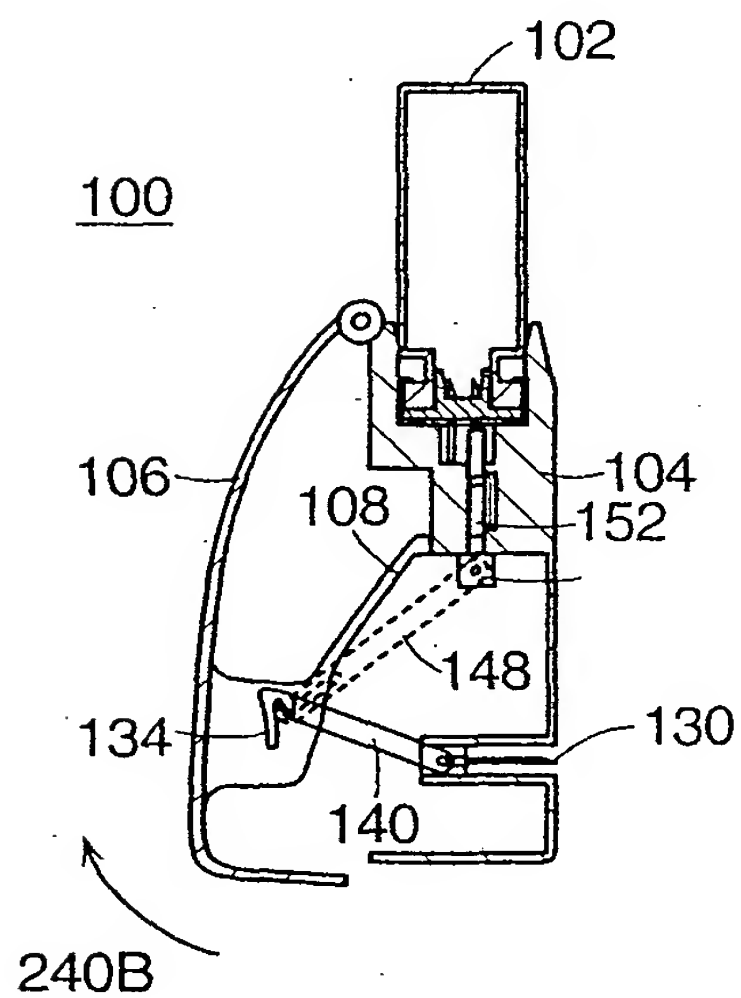


Figure 3D

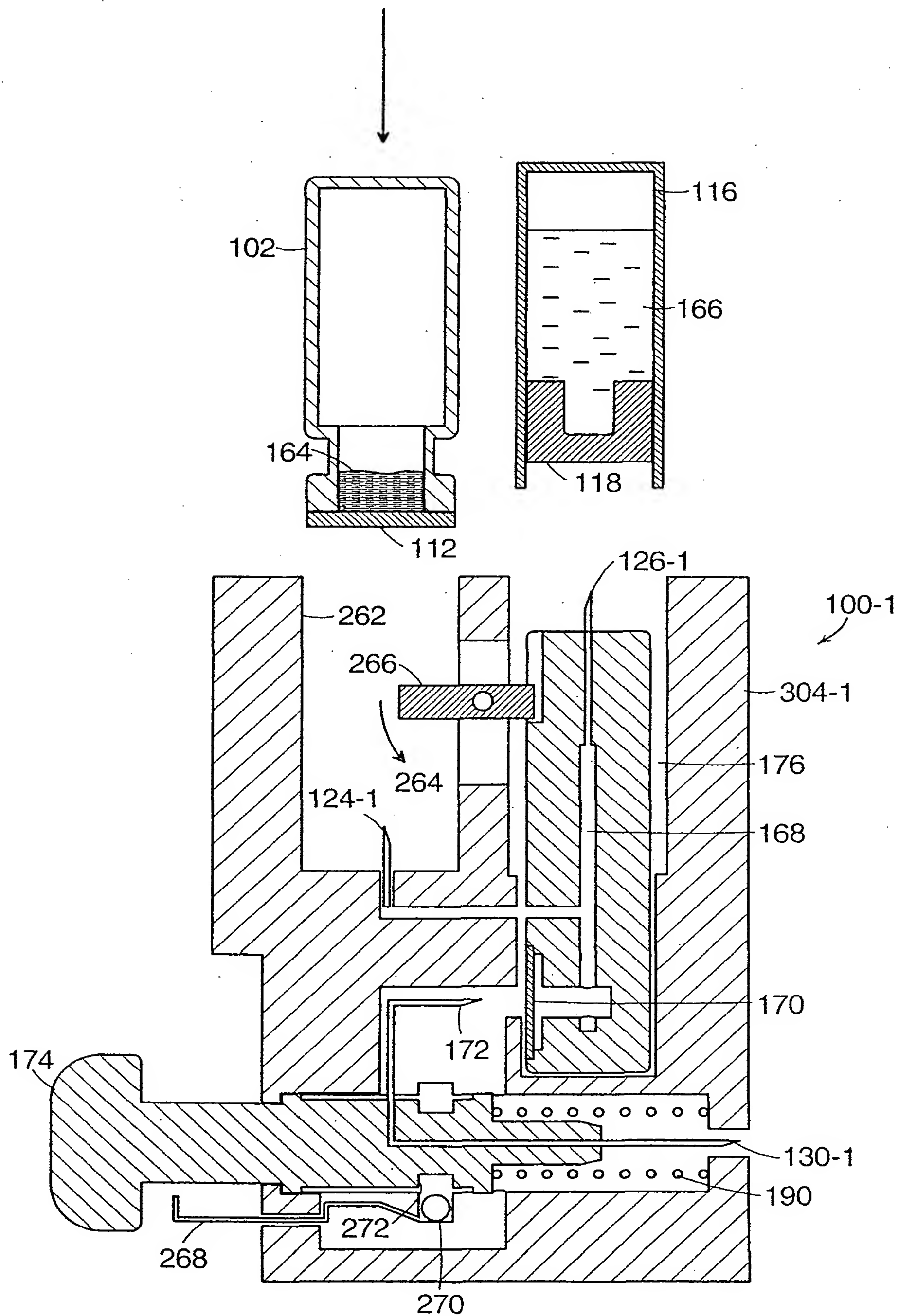


Figure 4A

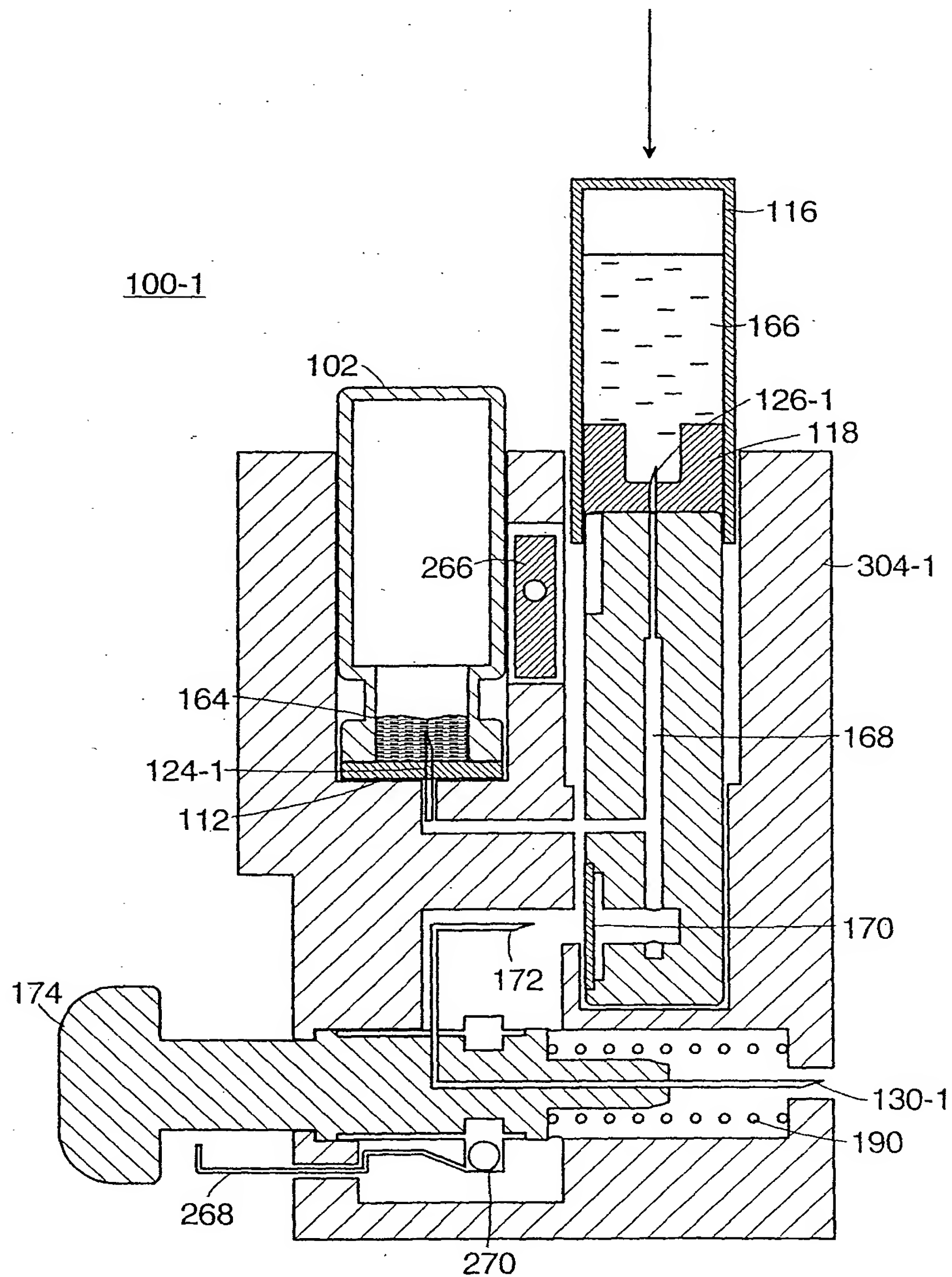


Figure 4B

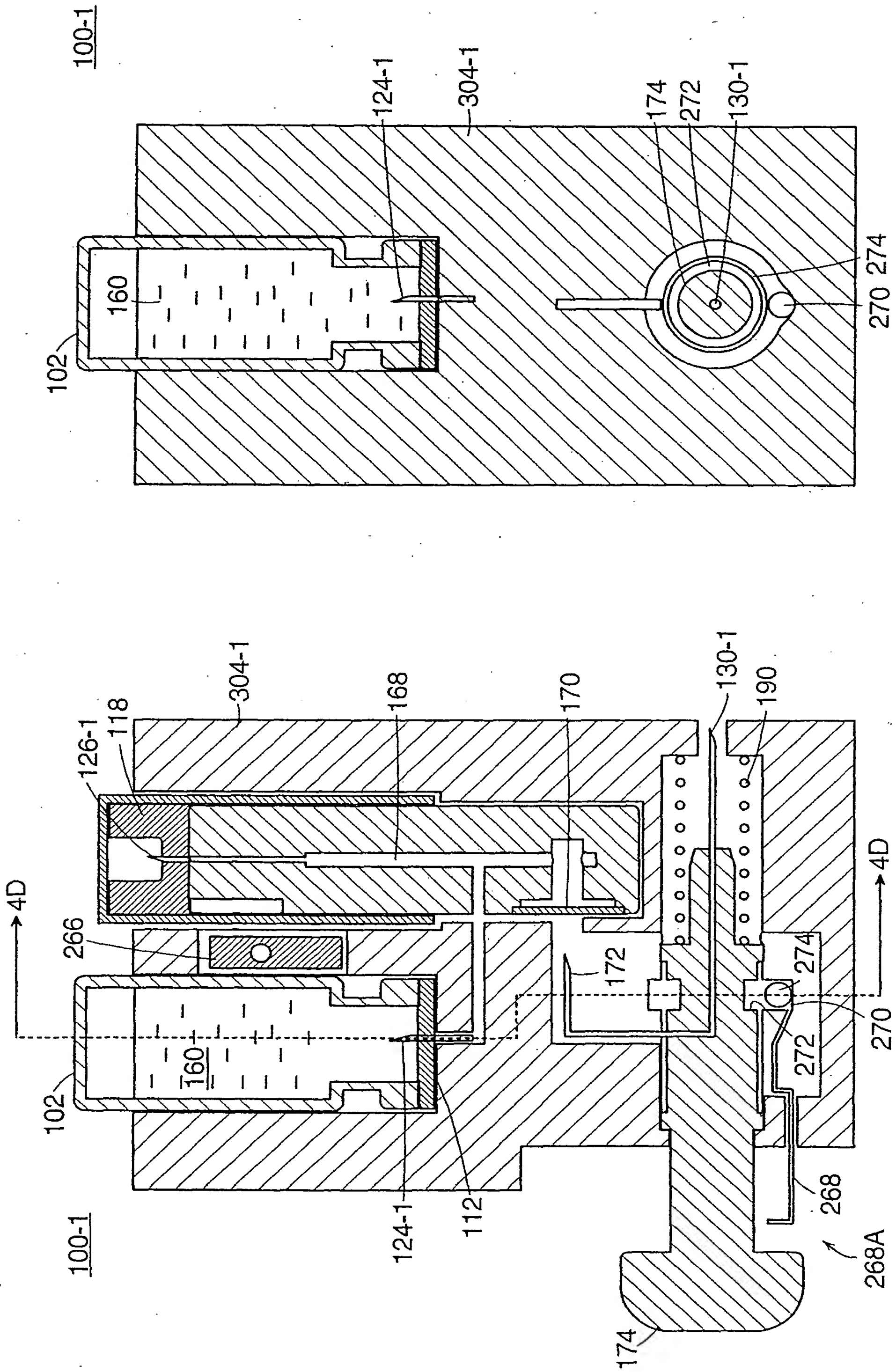


Figure 4D

Figure 4C

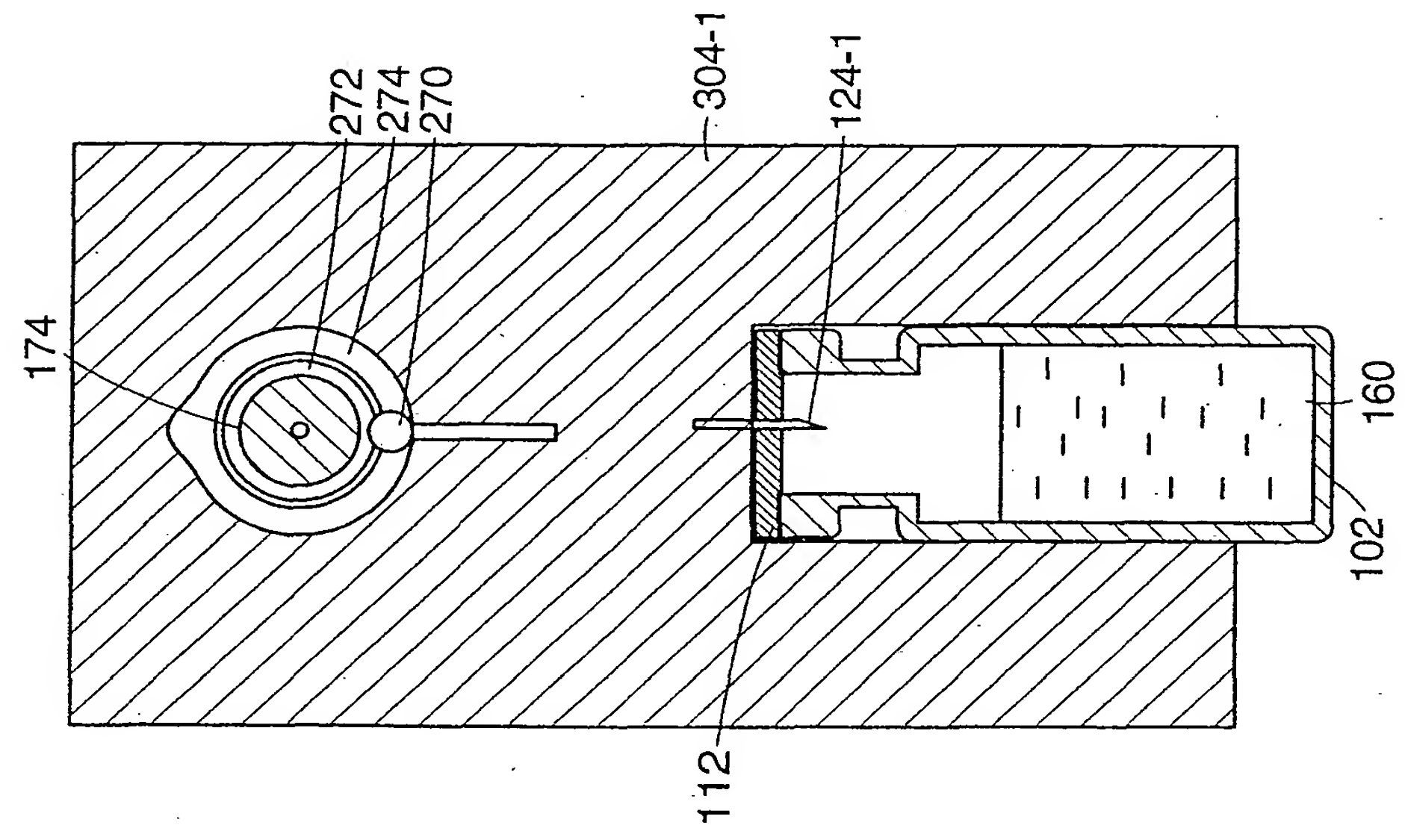


Figure 4F

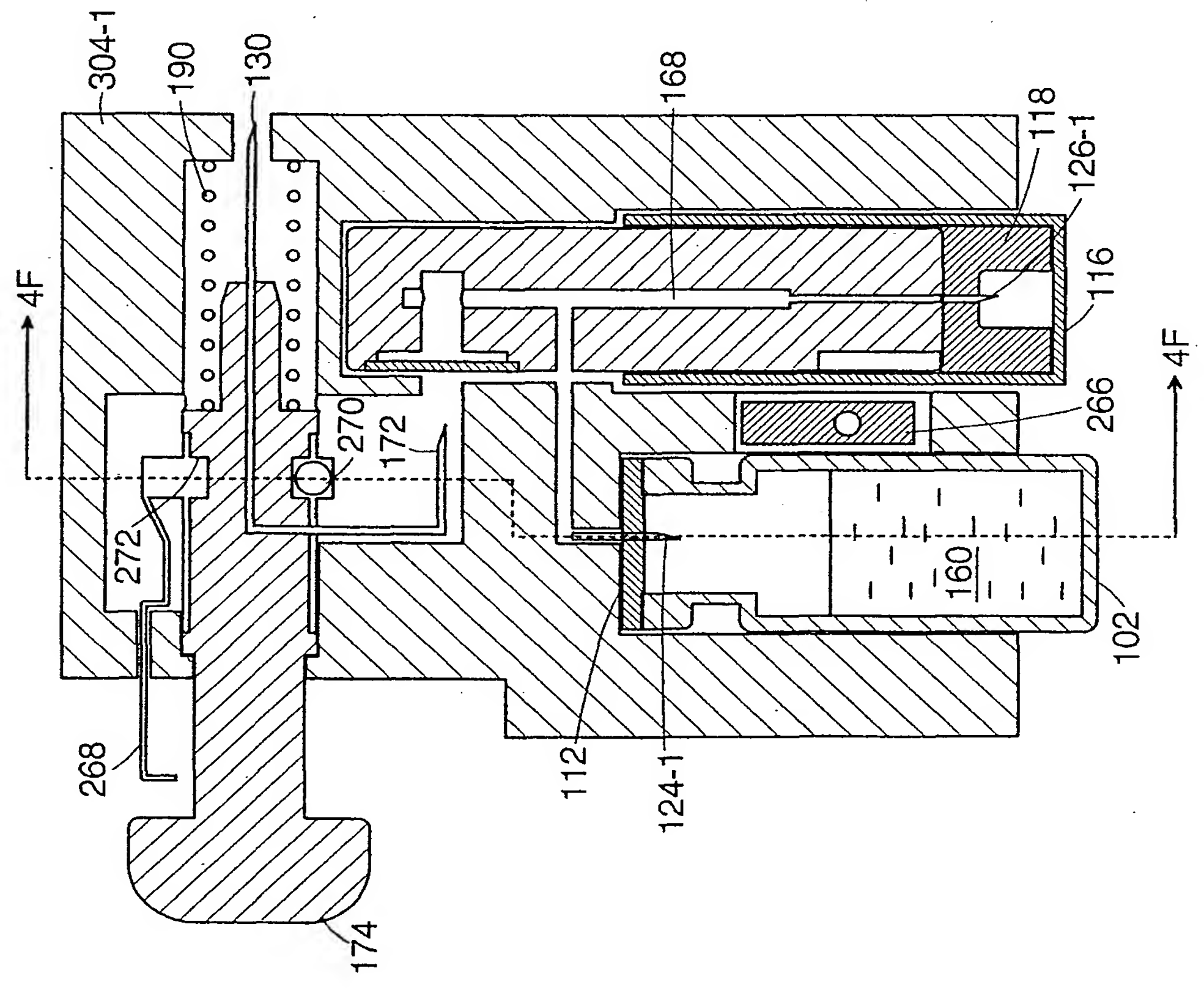


Figure 4E

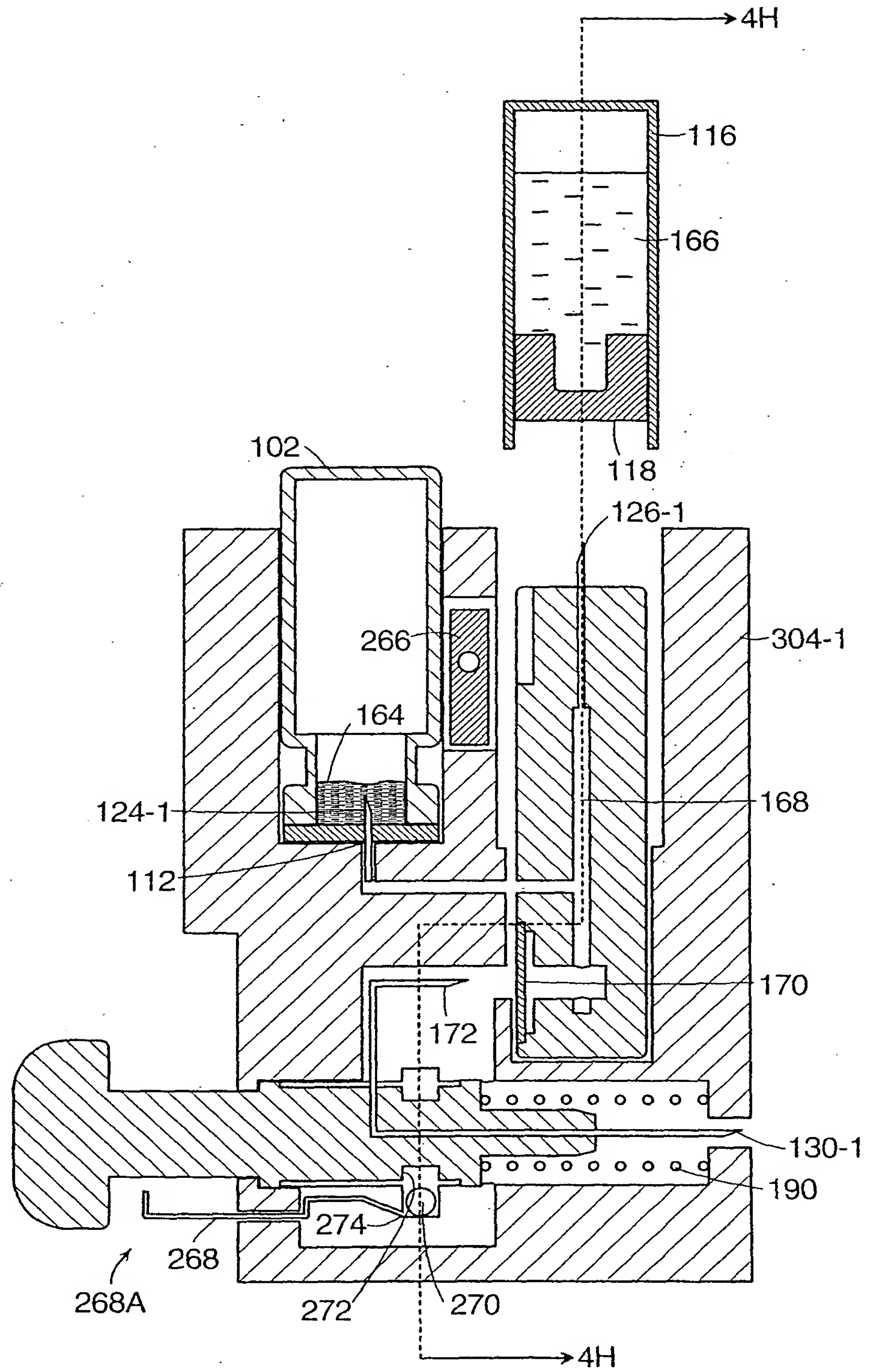


Figure 4G

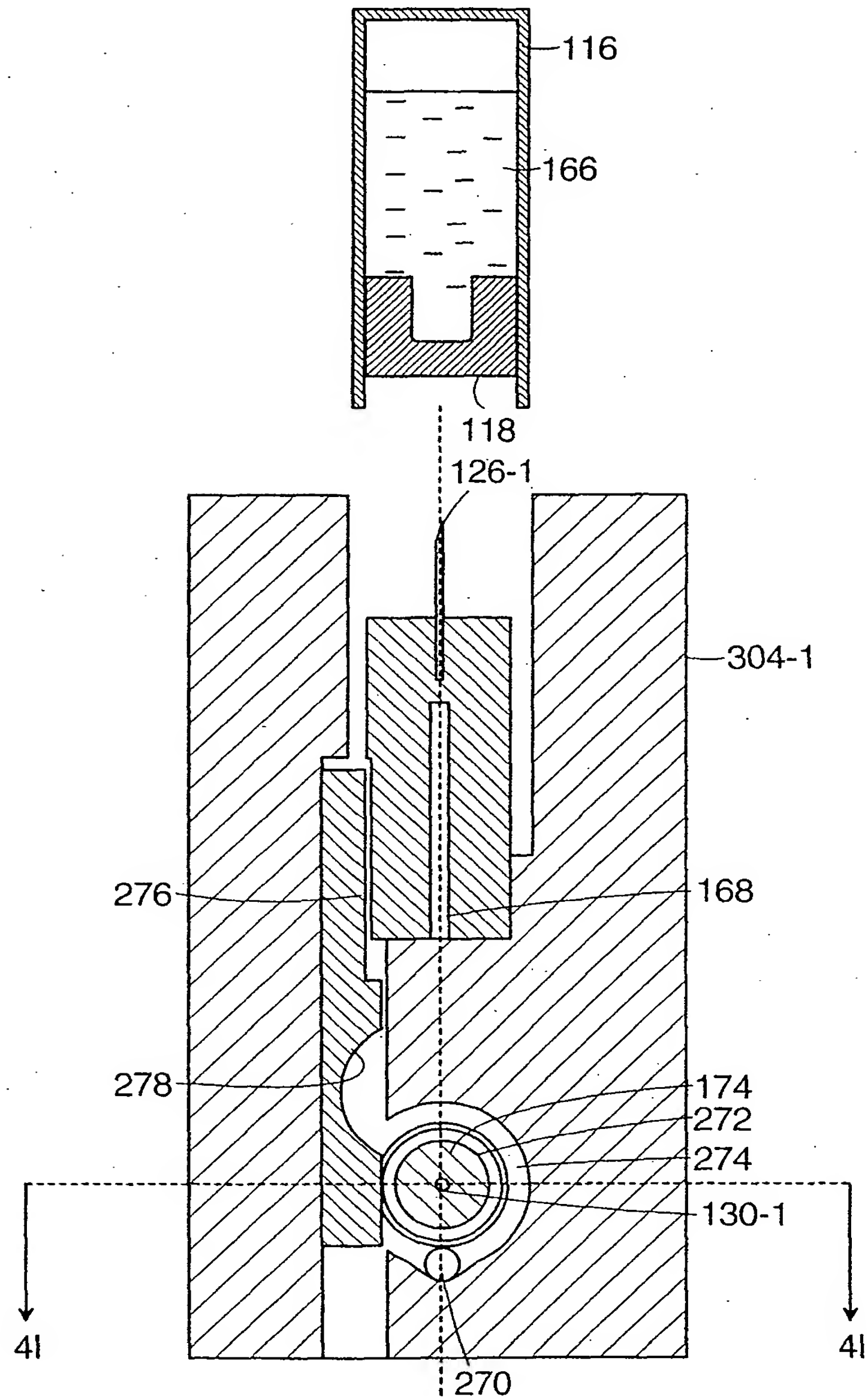


Figure 4H

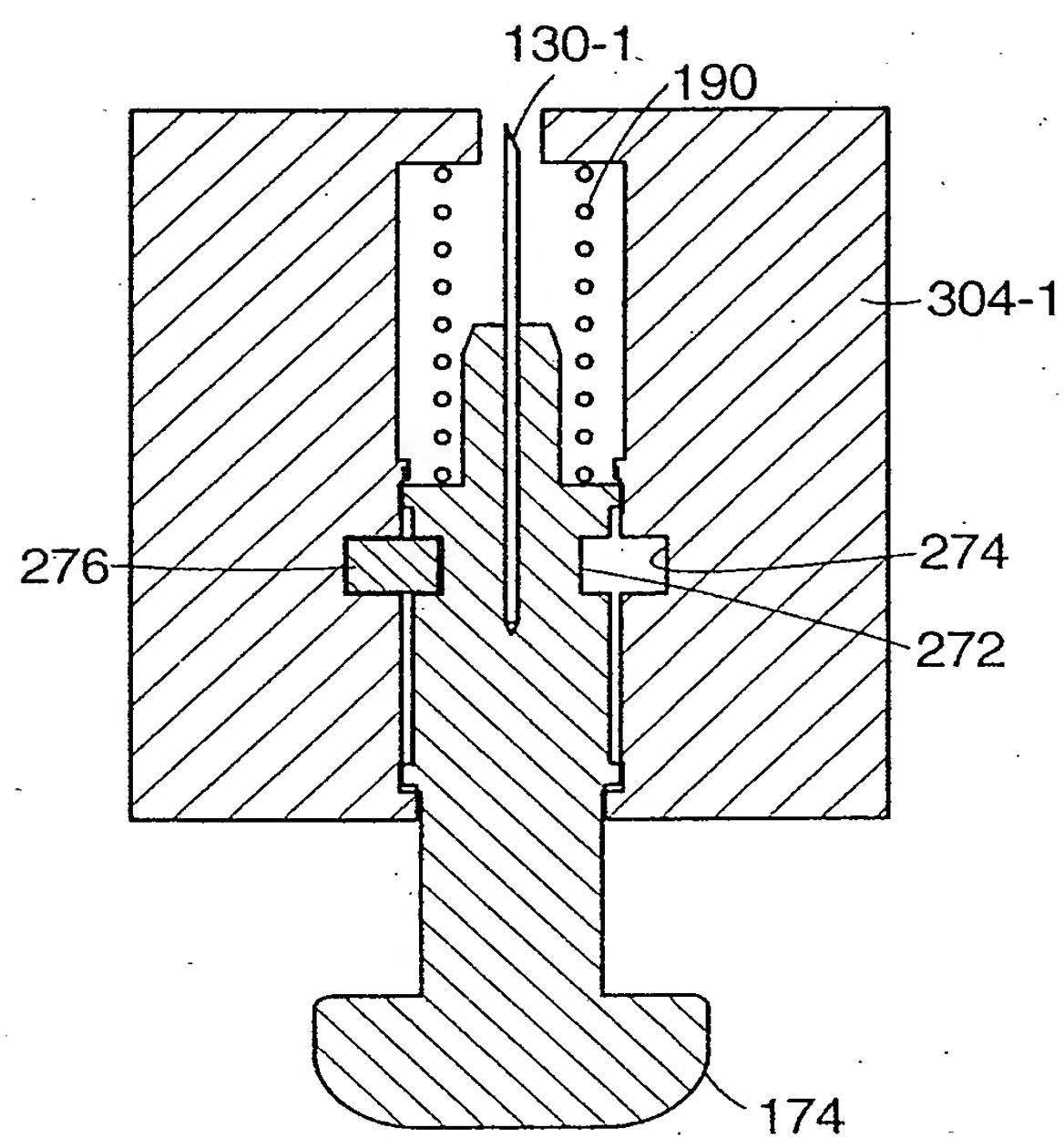


Figure 4I

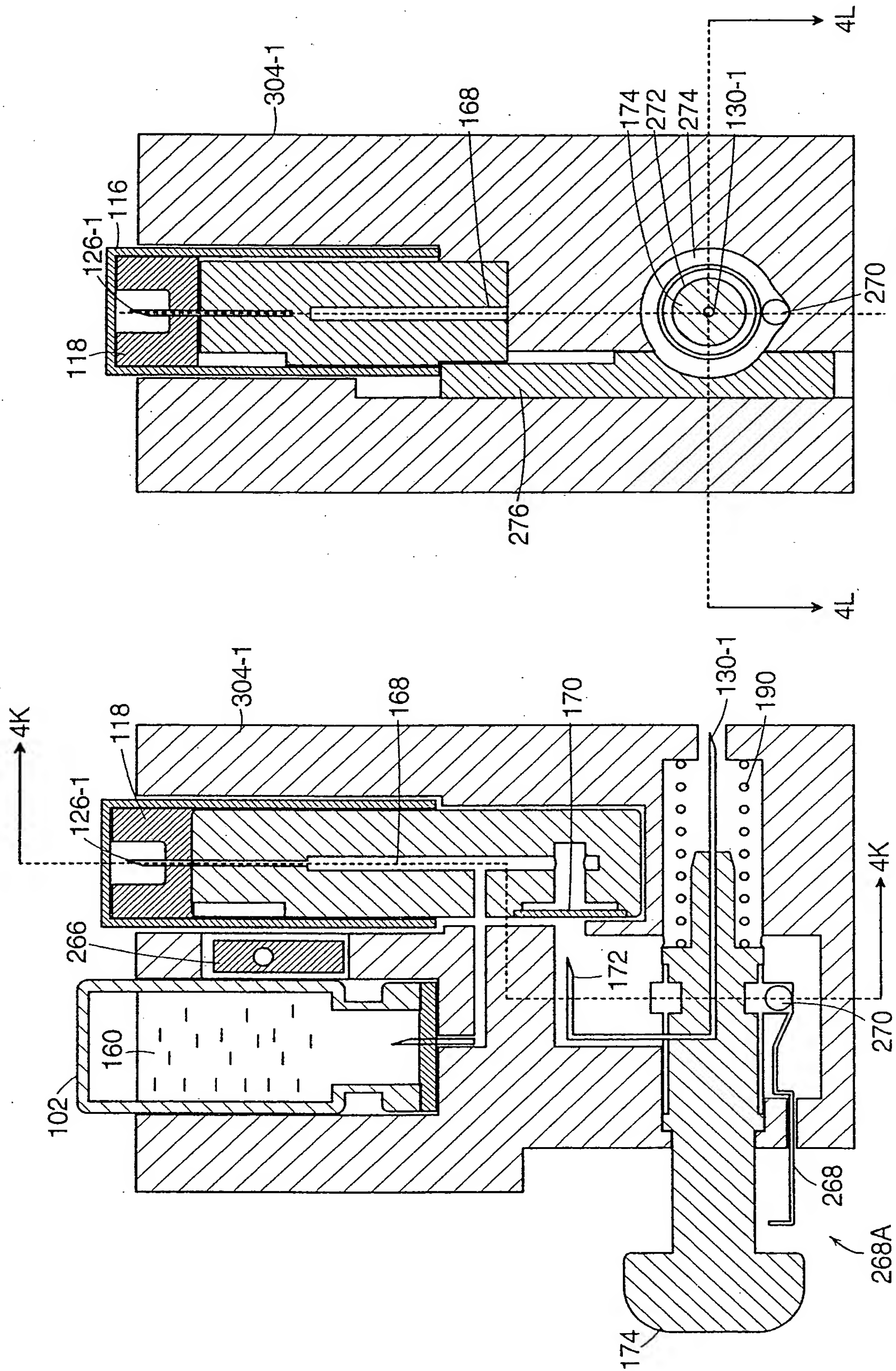


Figure 4K

Figure 4J

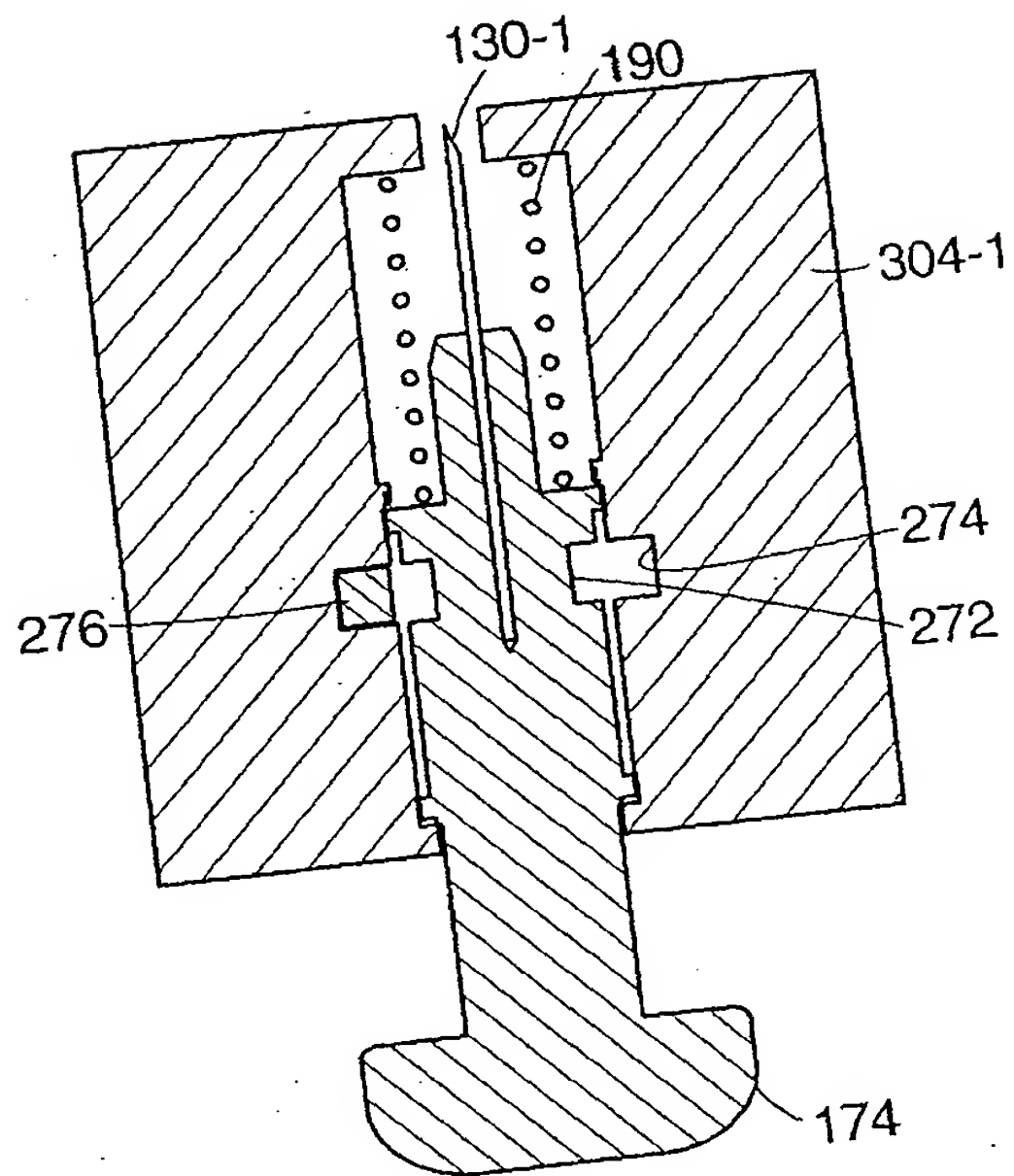


Figure 4L

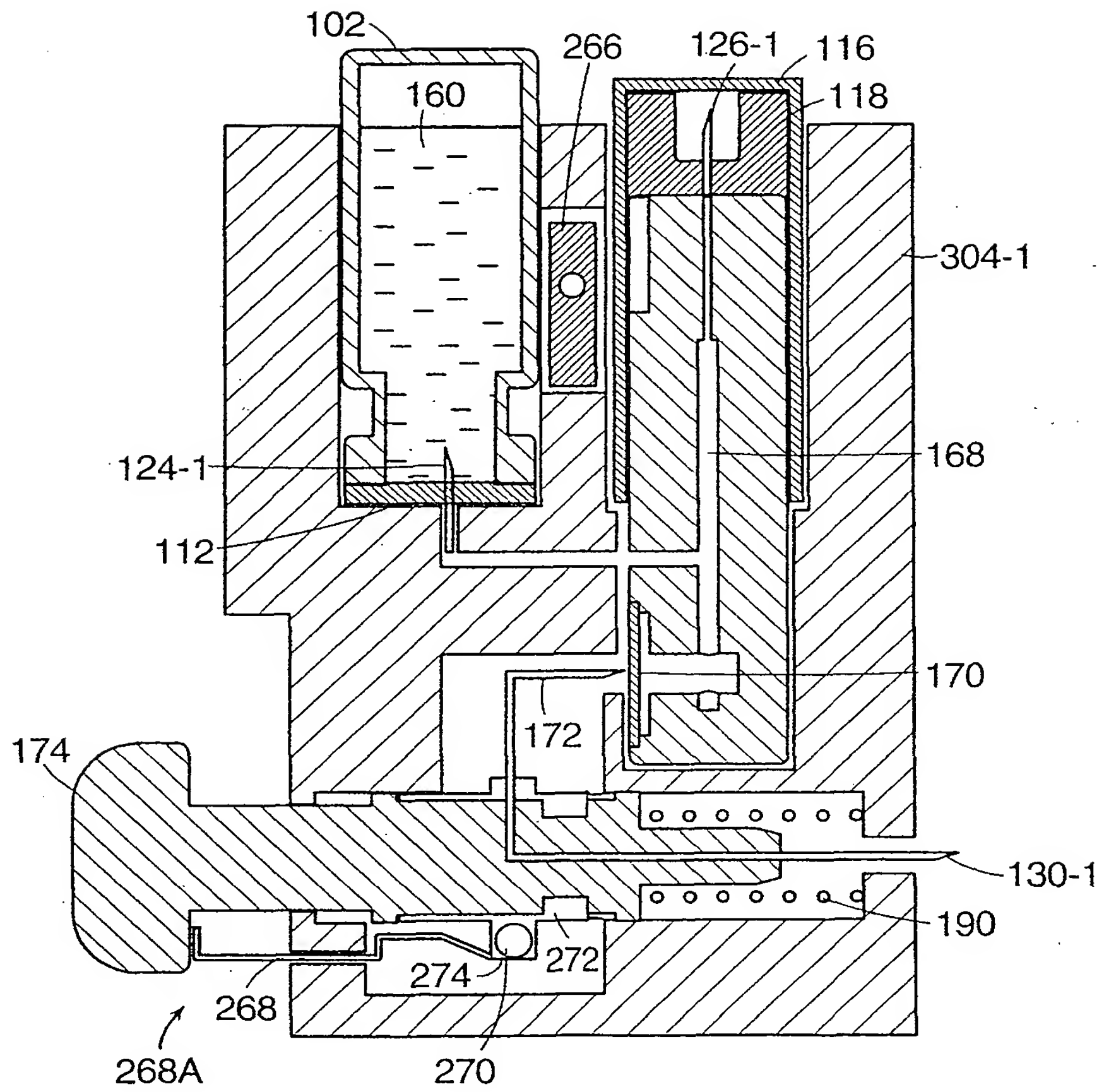


Figure 4M

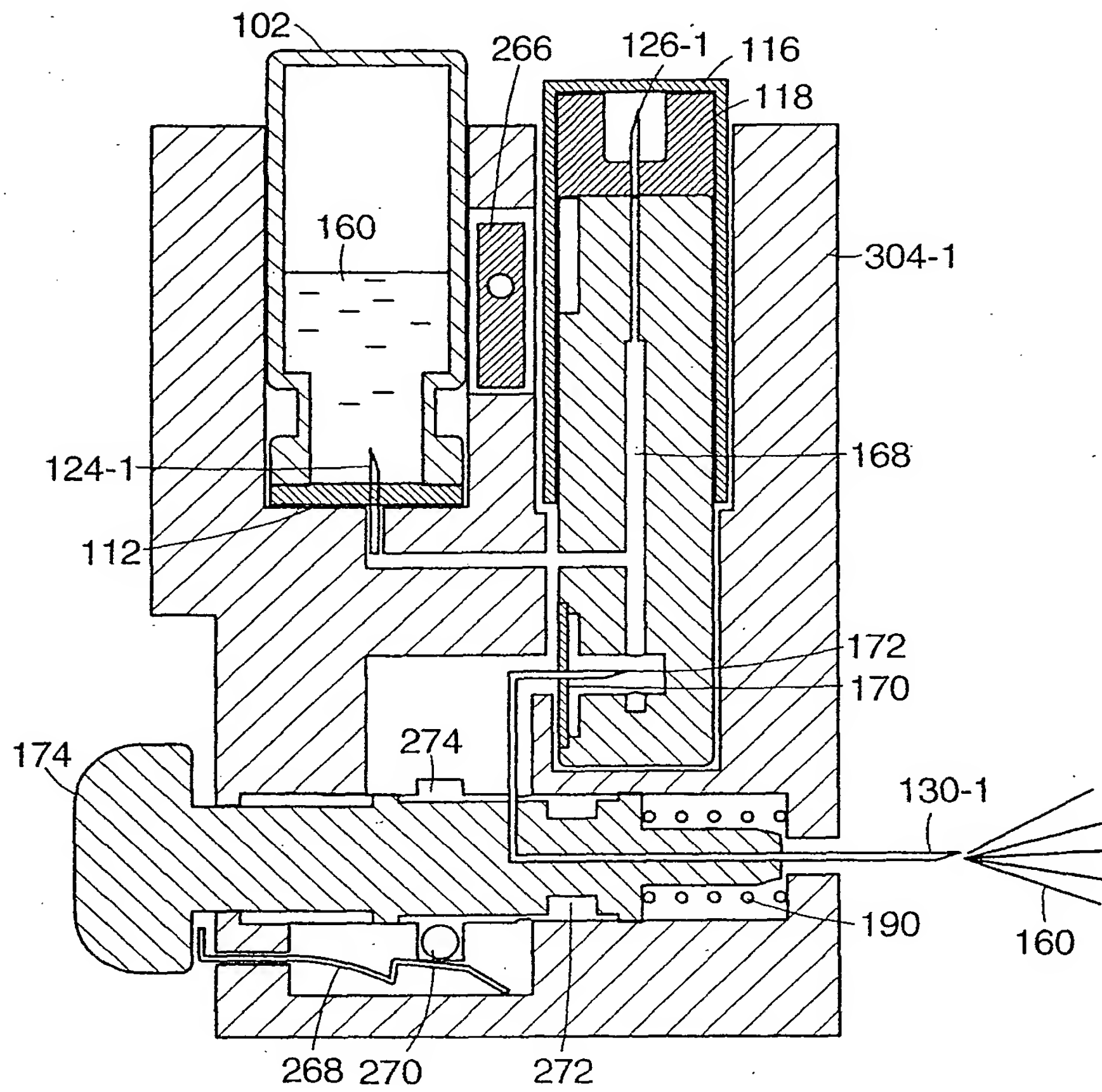


Figure 4N

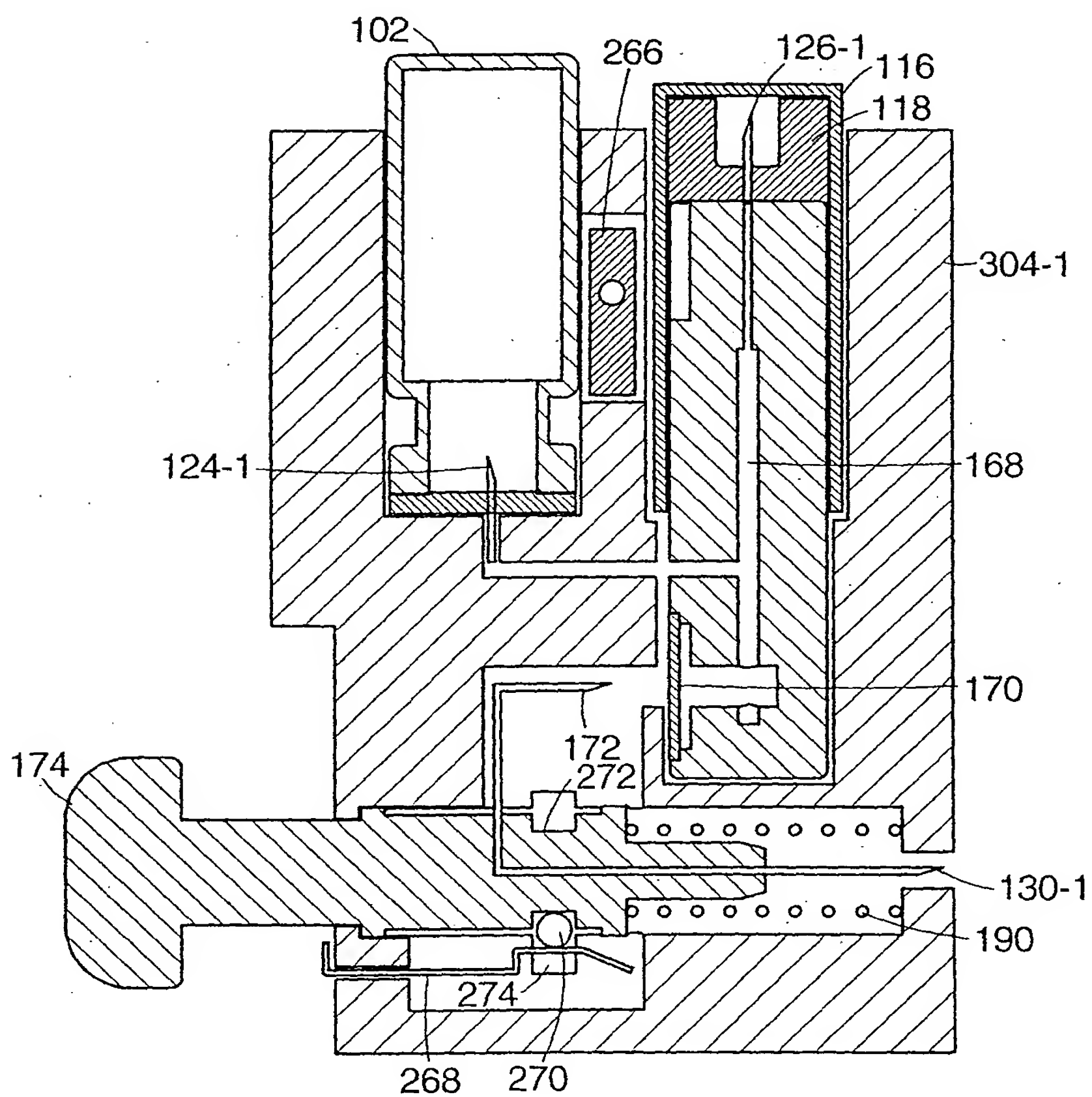


Figure 4O

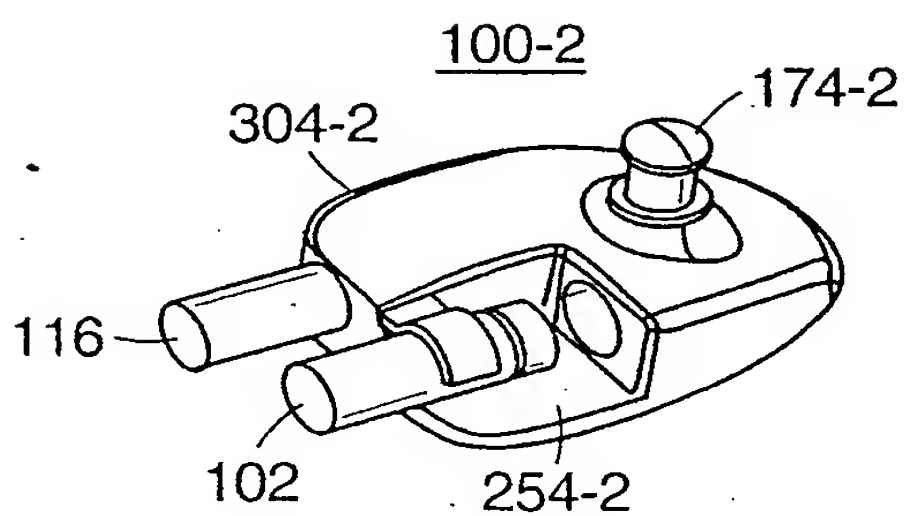


Figure 5A

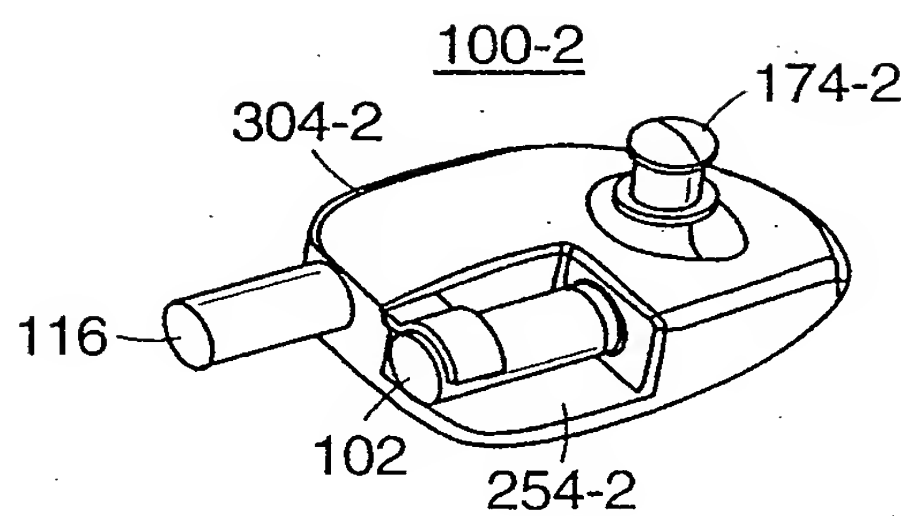


Figure 5B

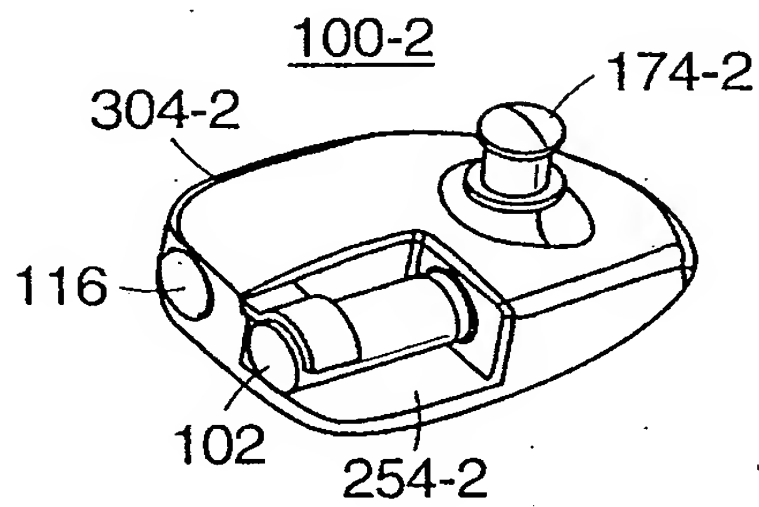


Figure 5C

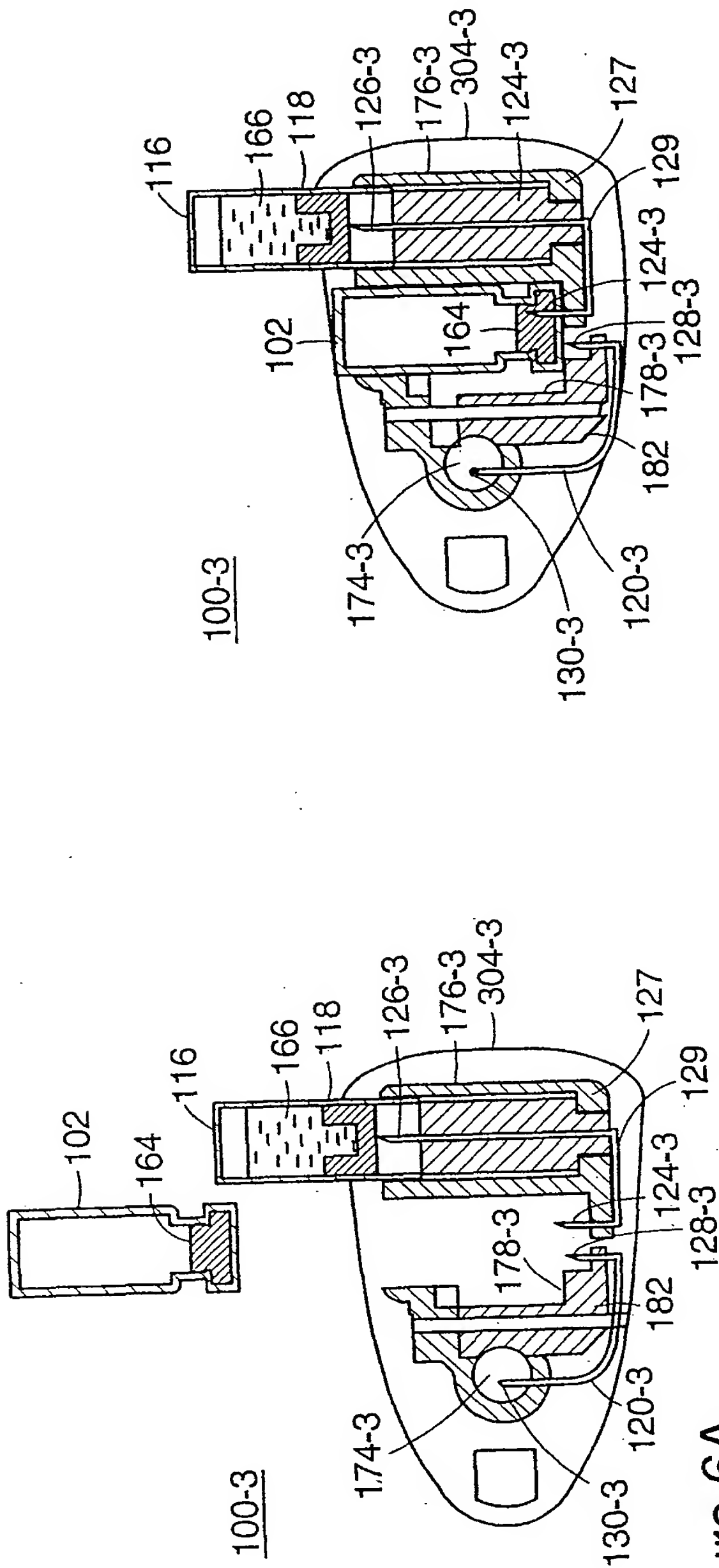


Figure 6A

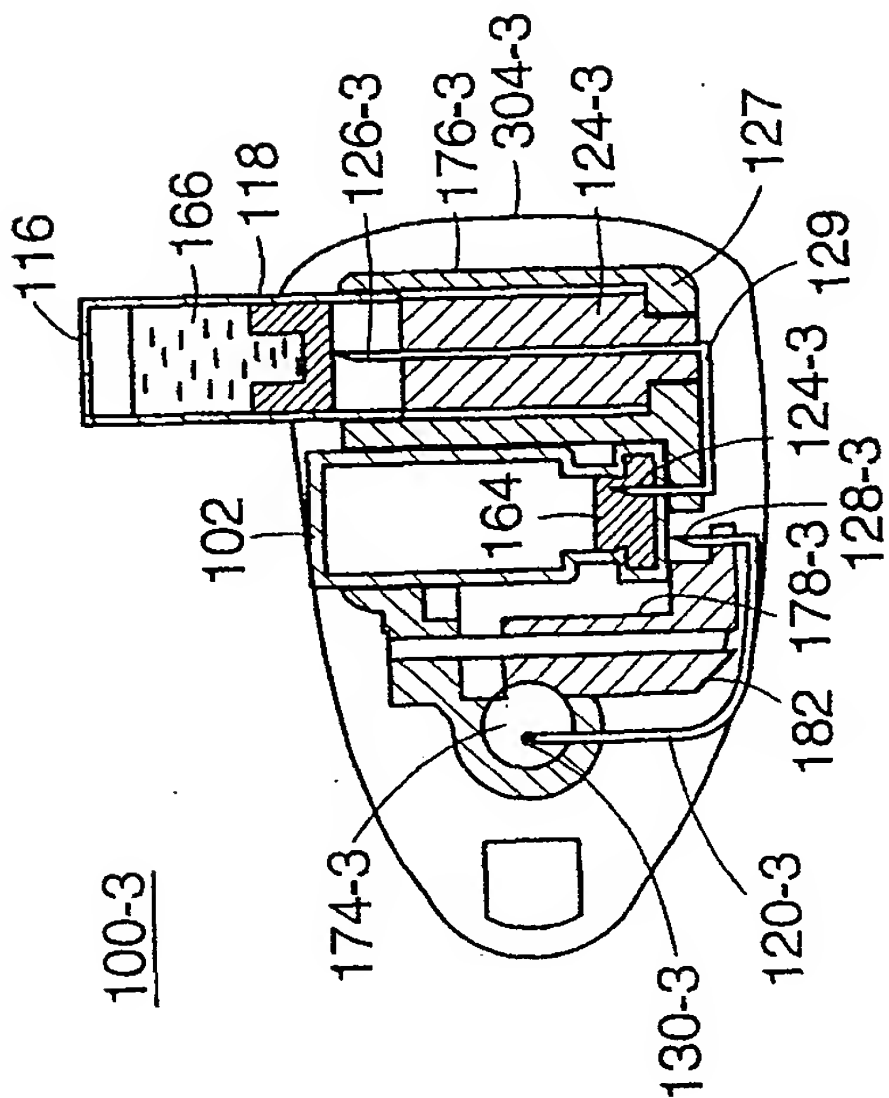


Figure 6B

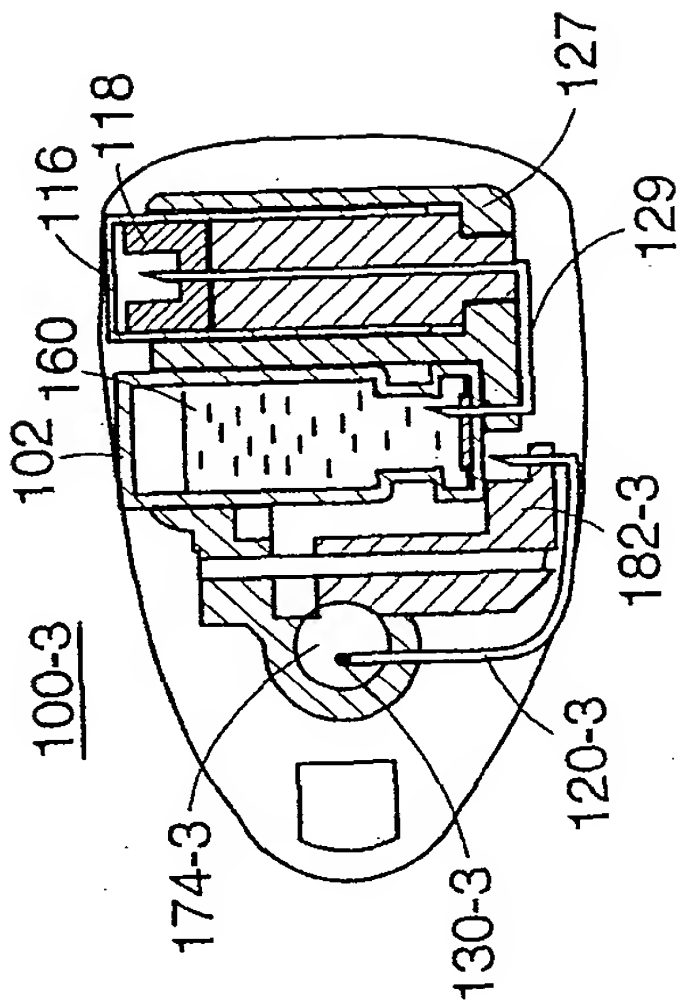


Figure 6C

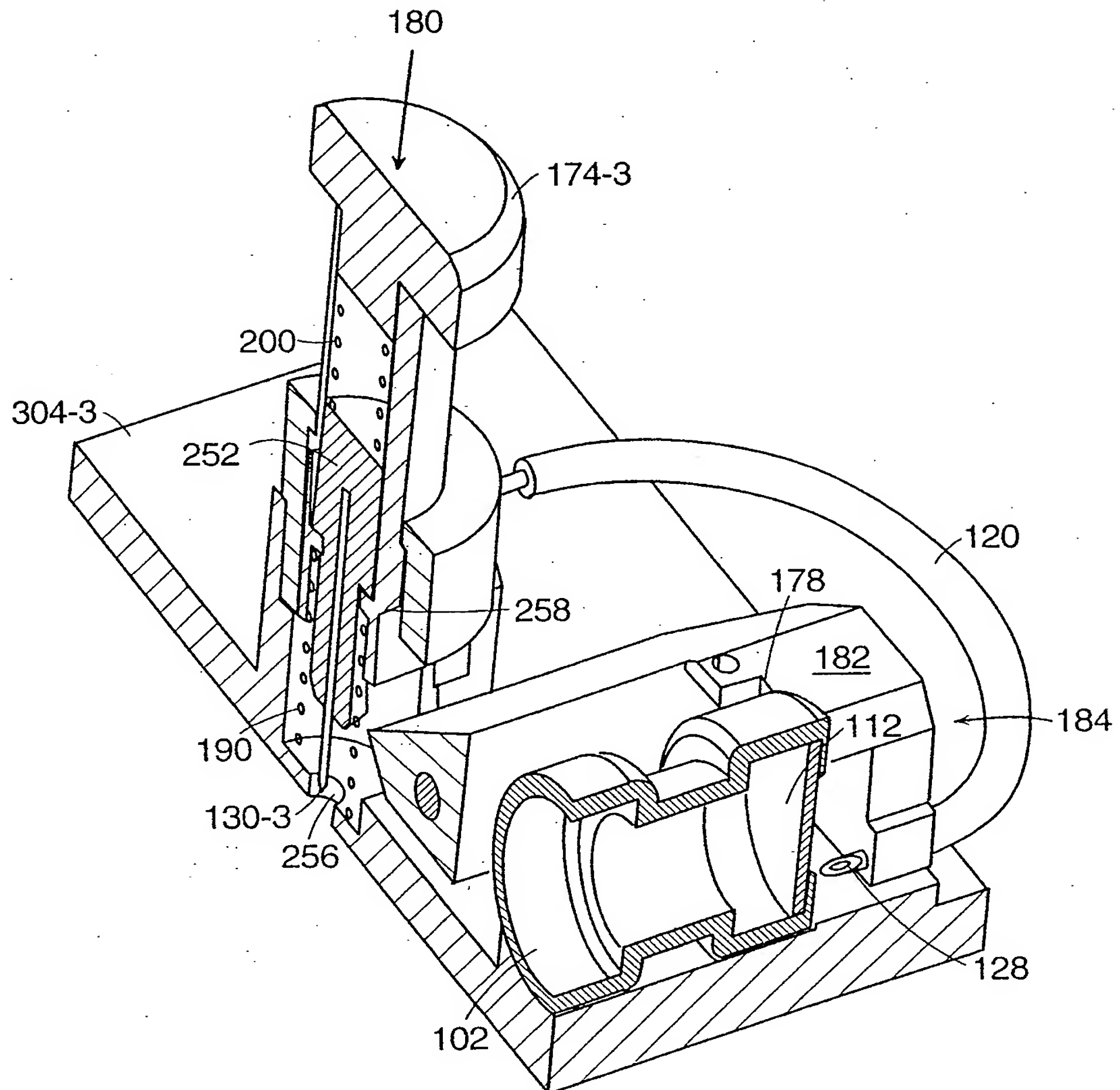


Figure 7A

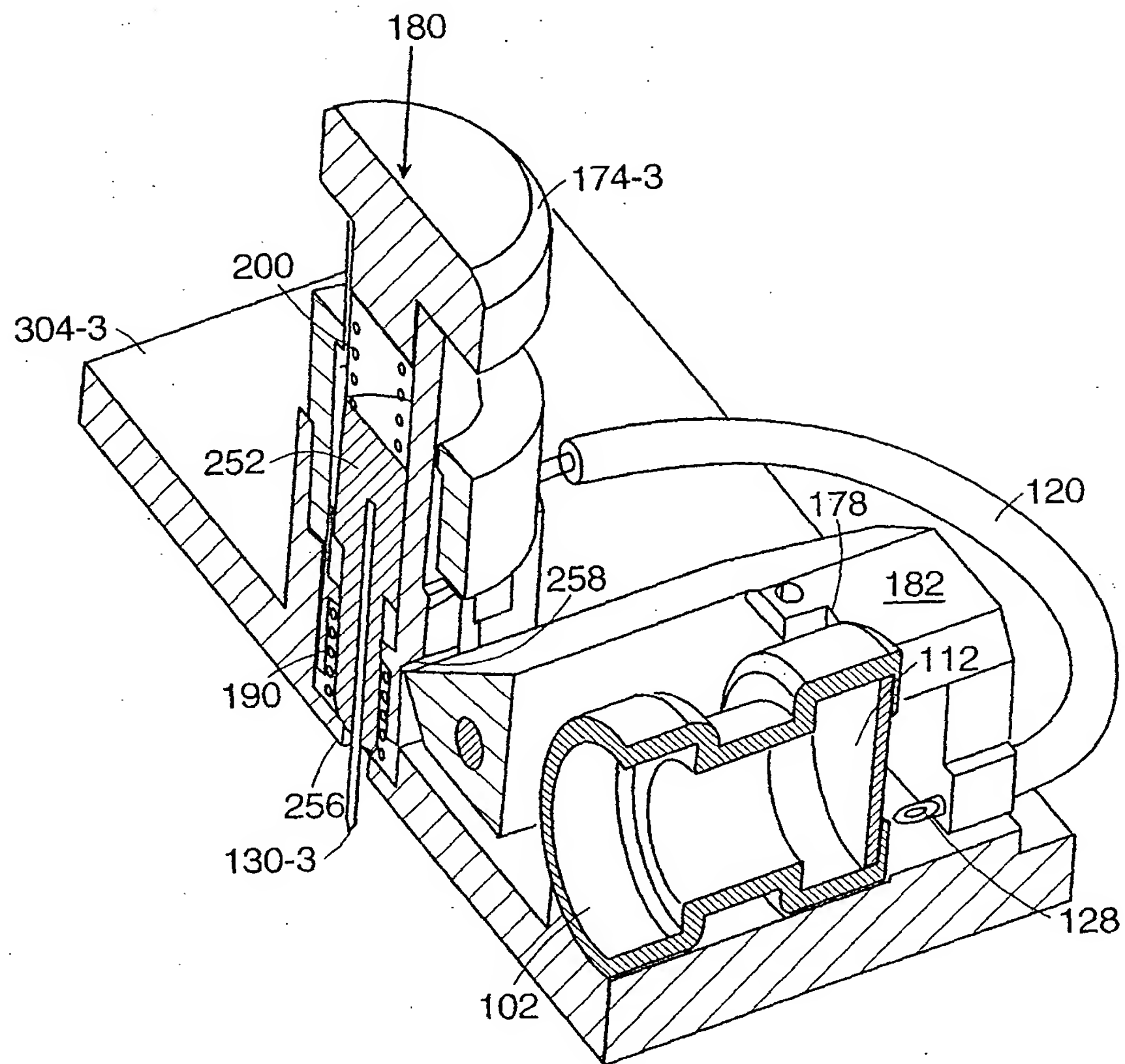


Figure 7B

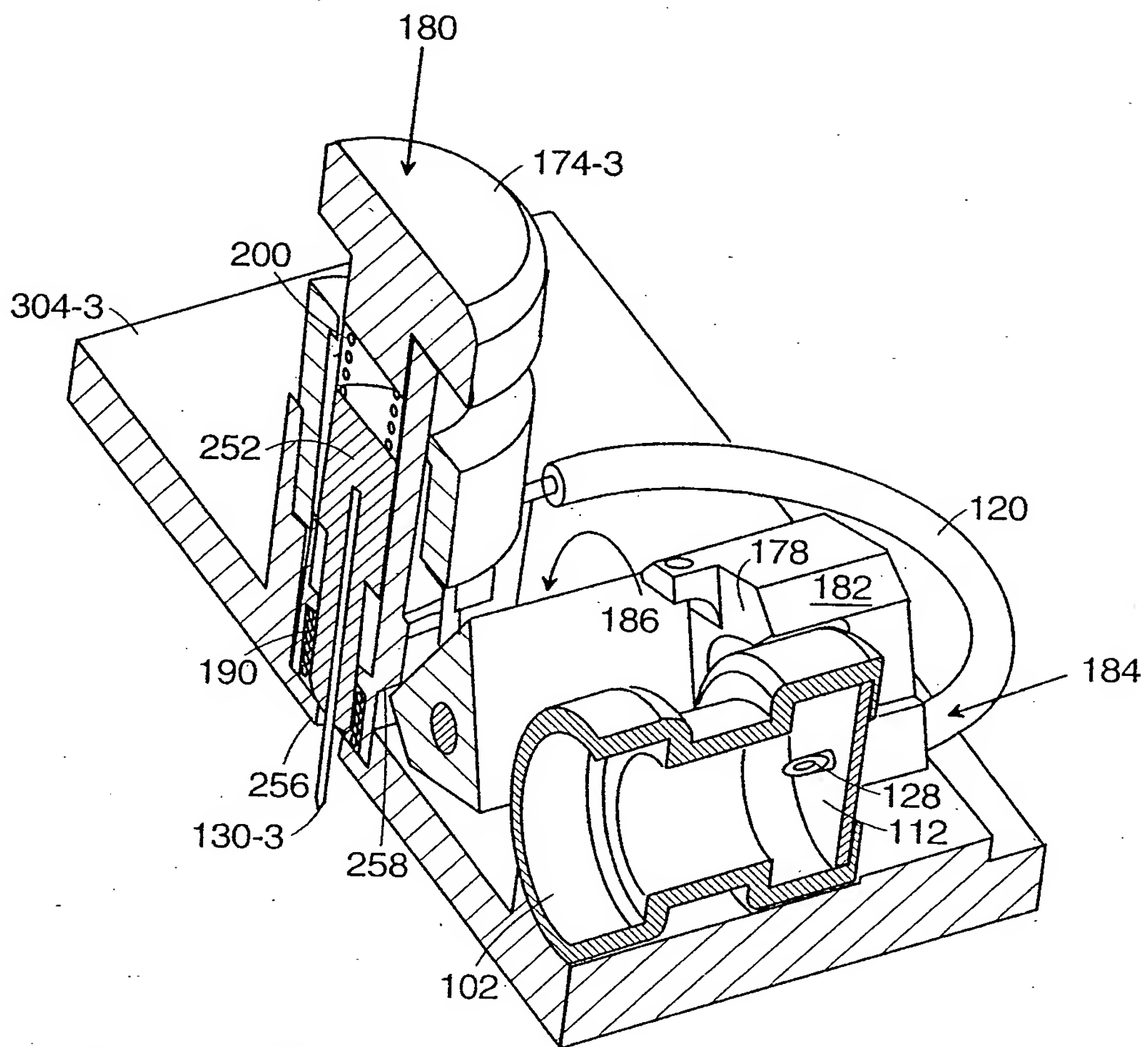


Figure 7C

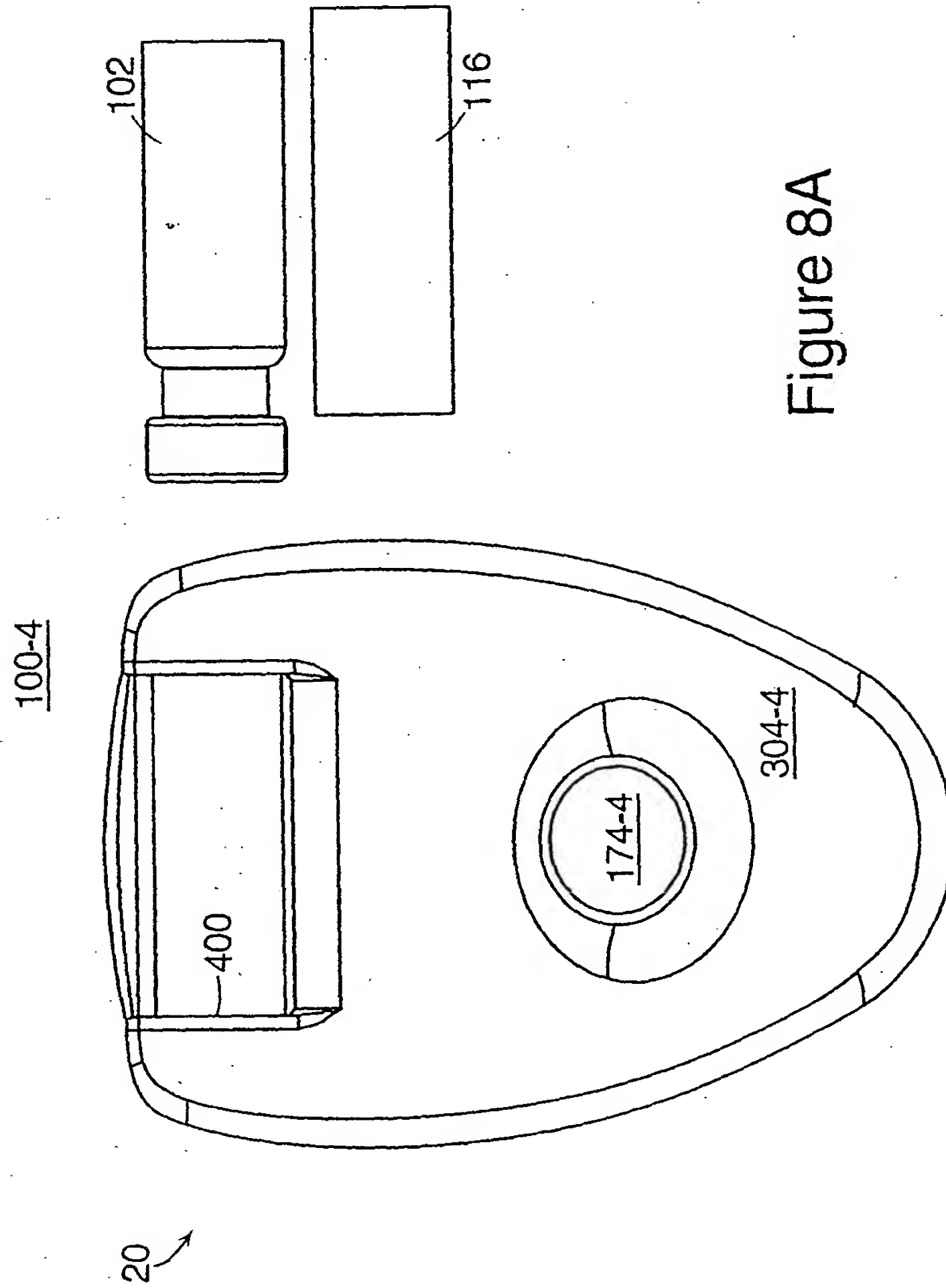


Figure 8A

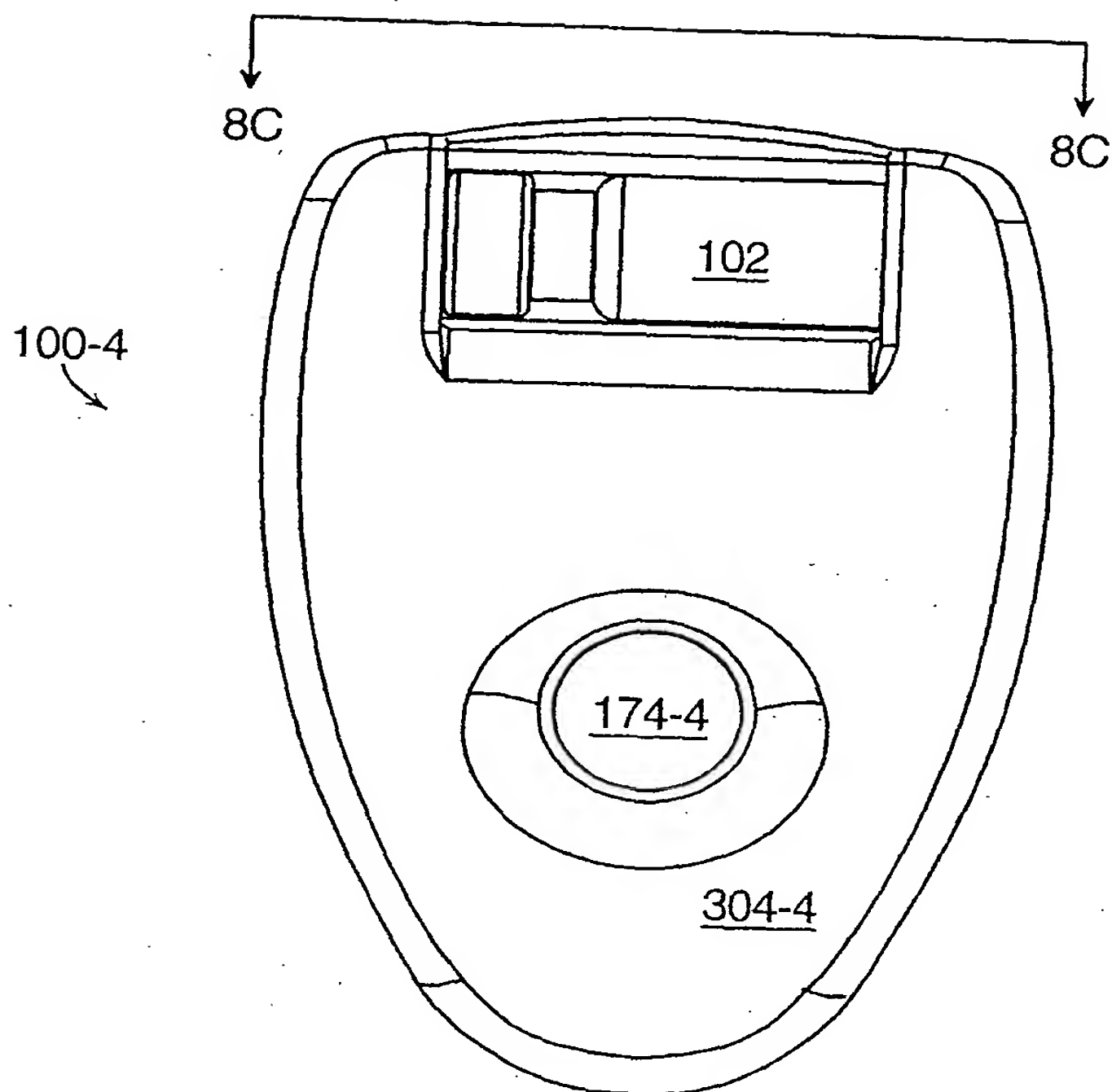


Figure 8B

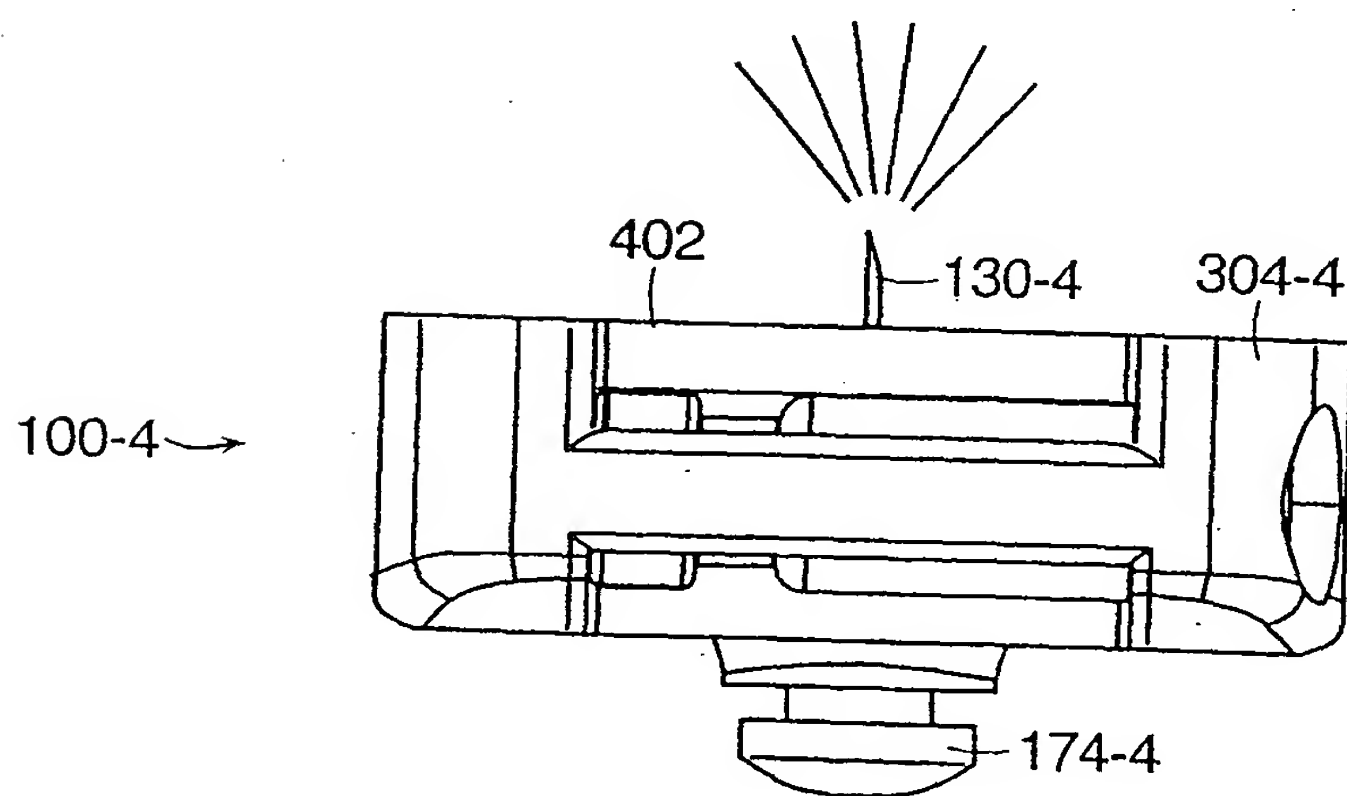


Figure 8C

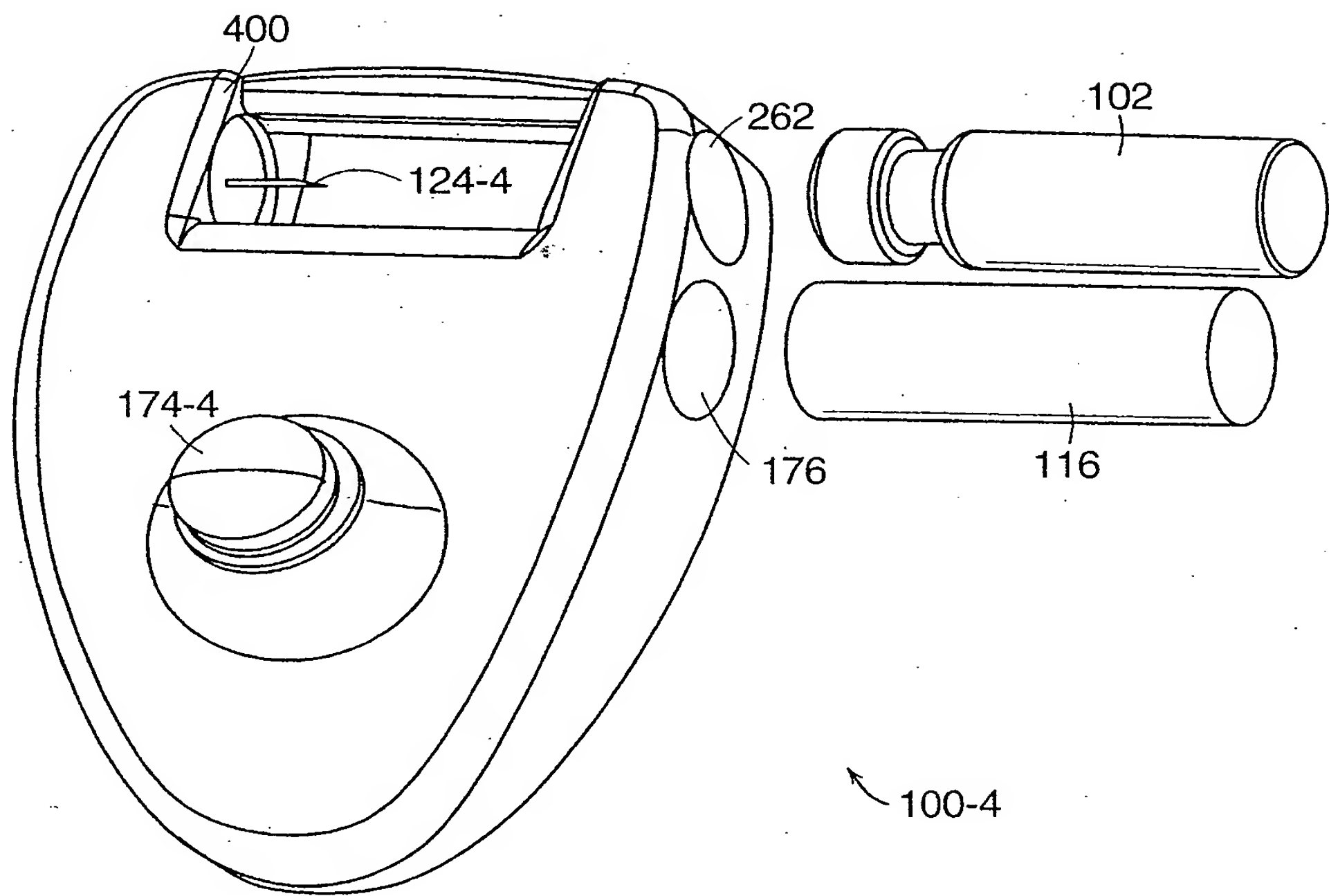


Figure 8D

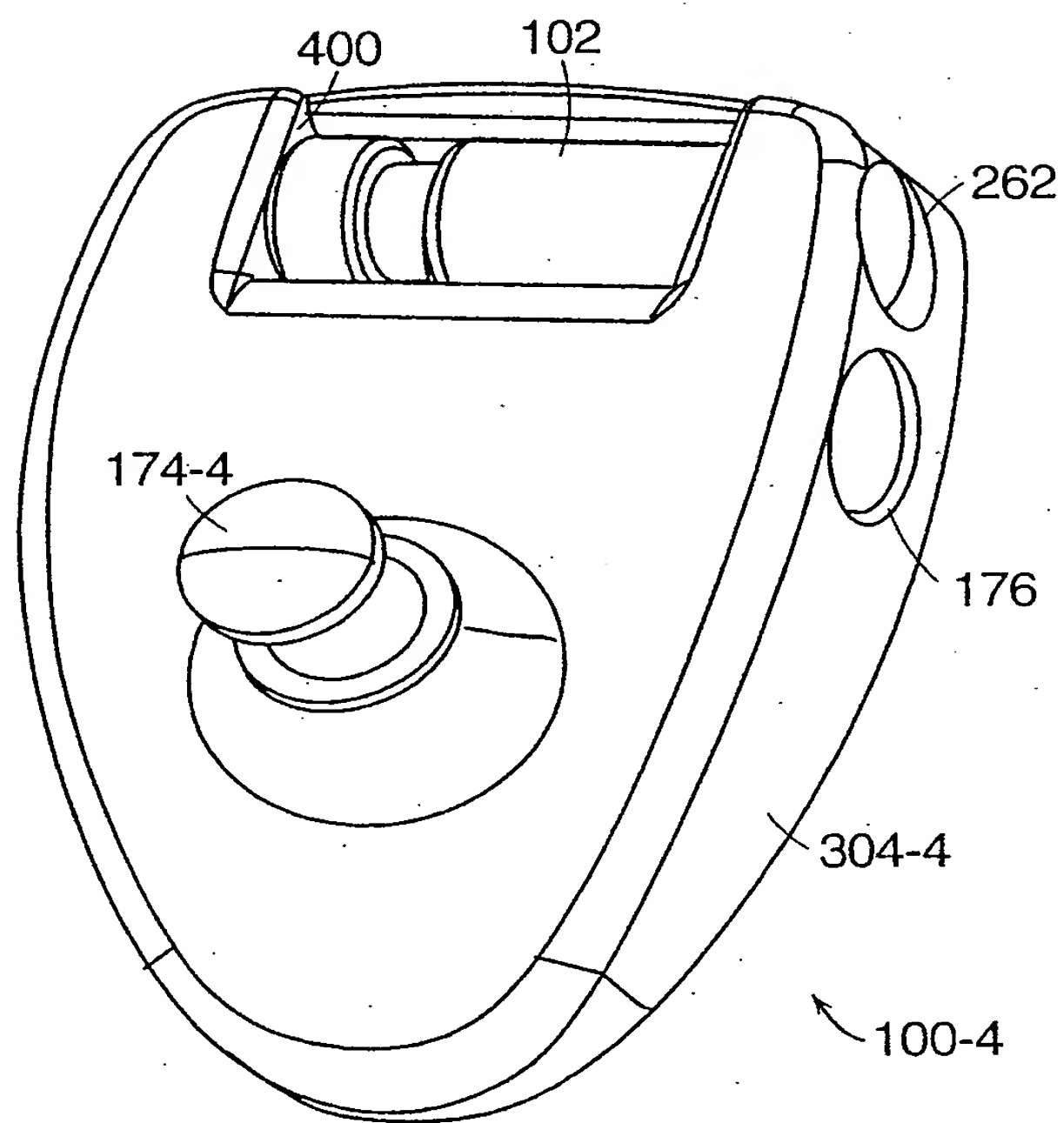


Figure 8E

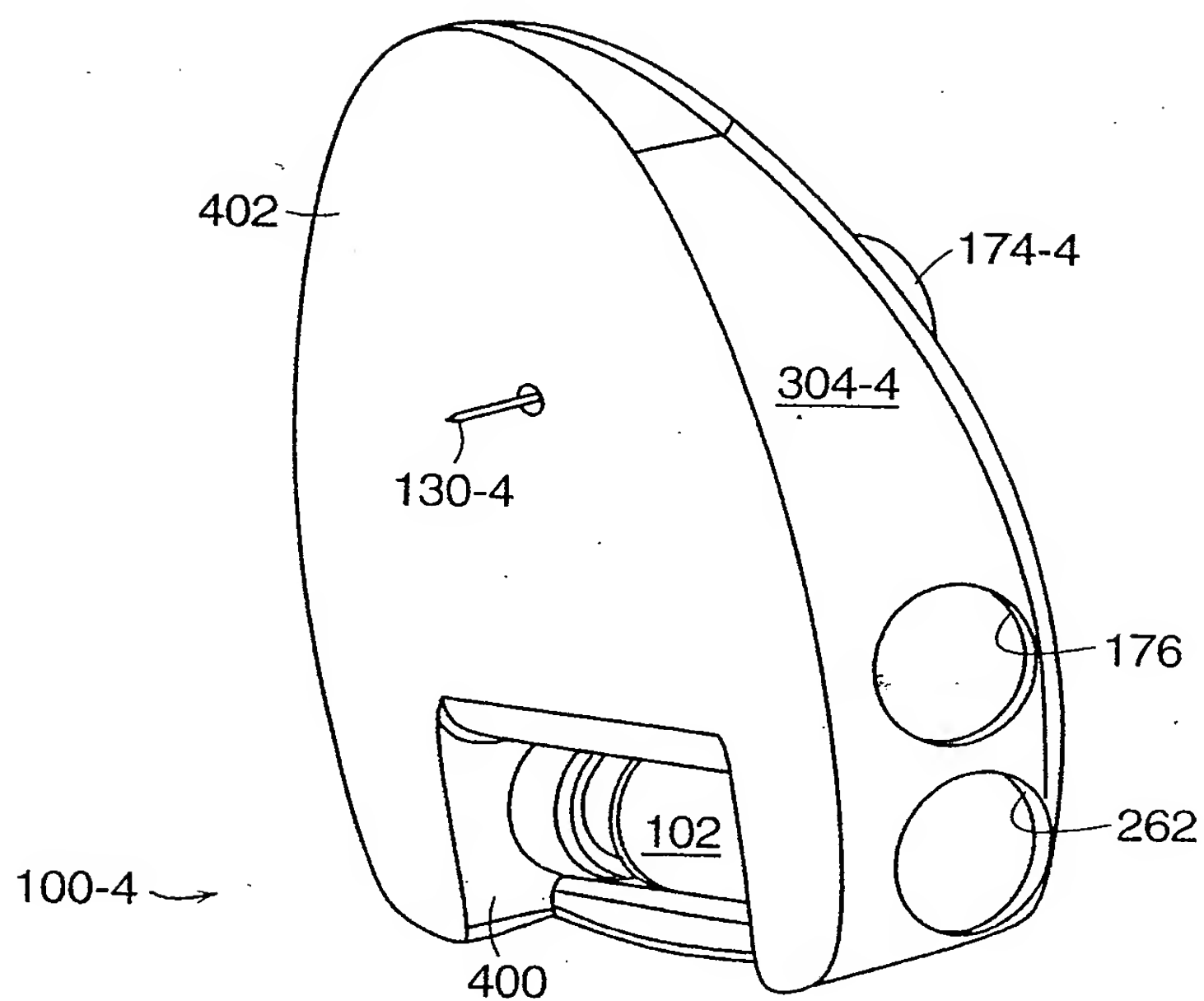


Figure 8F

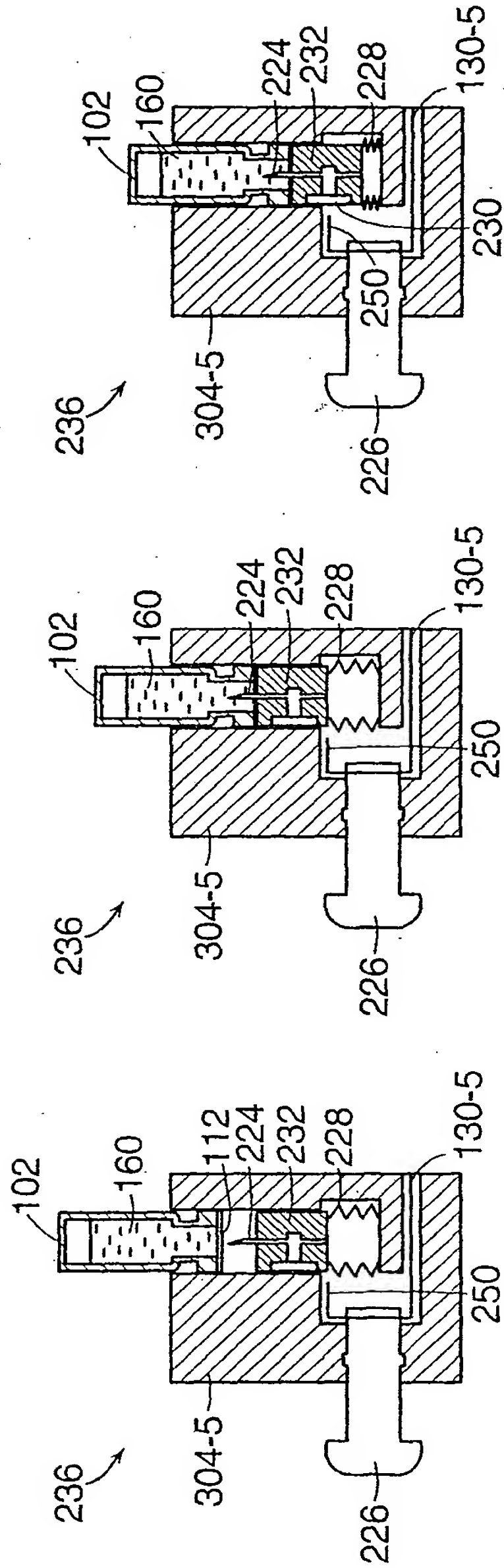


Figure 9A

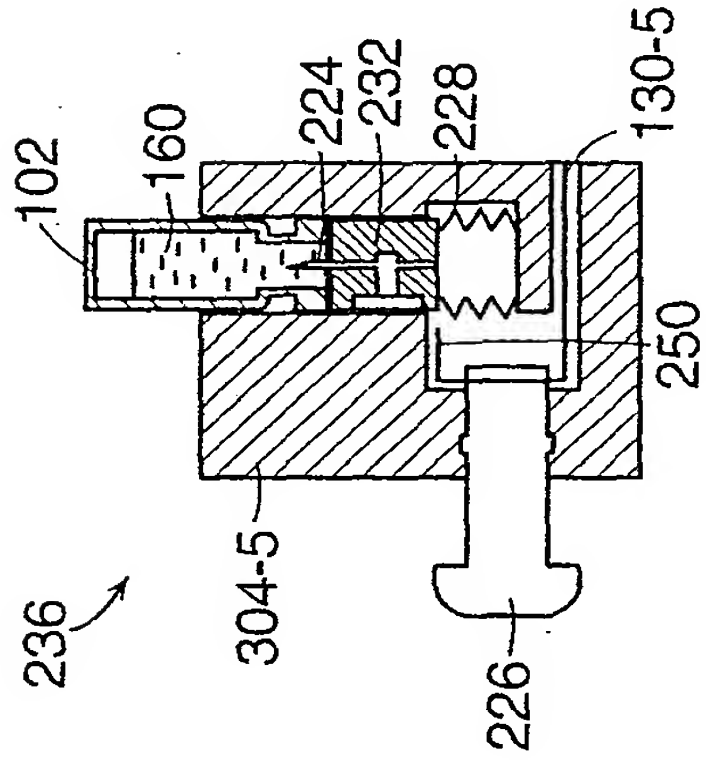


Figure 9B

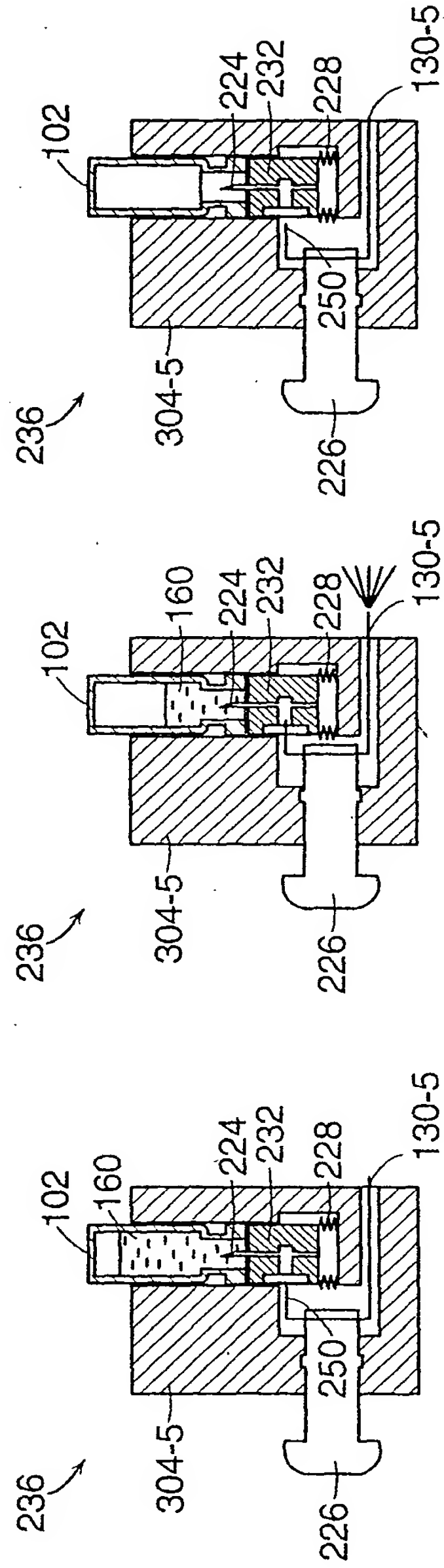


Figure 9C

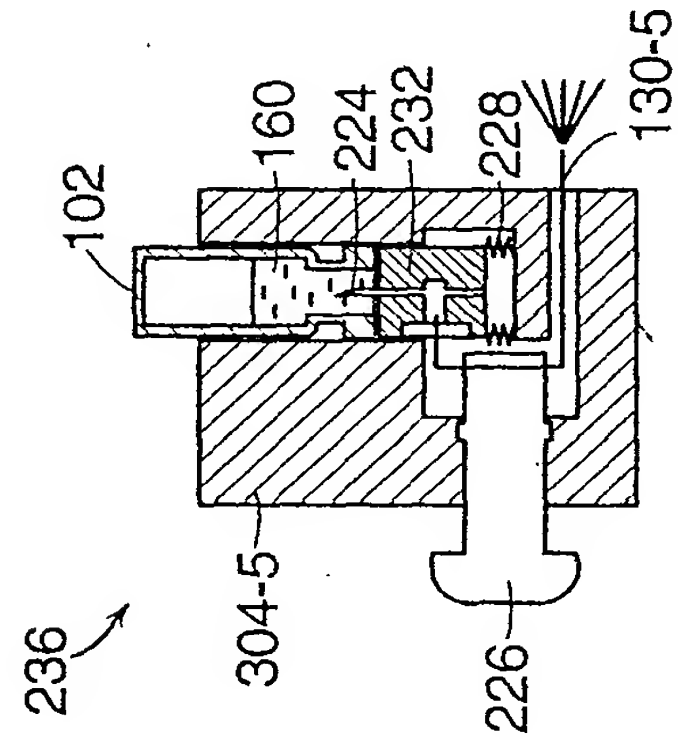


Figure 9D

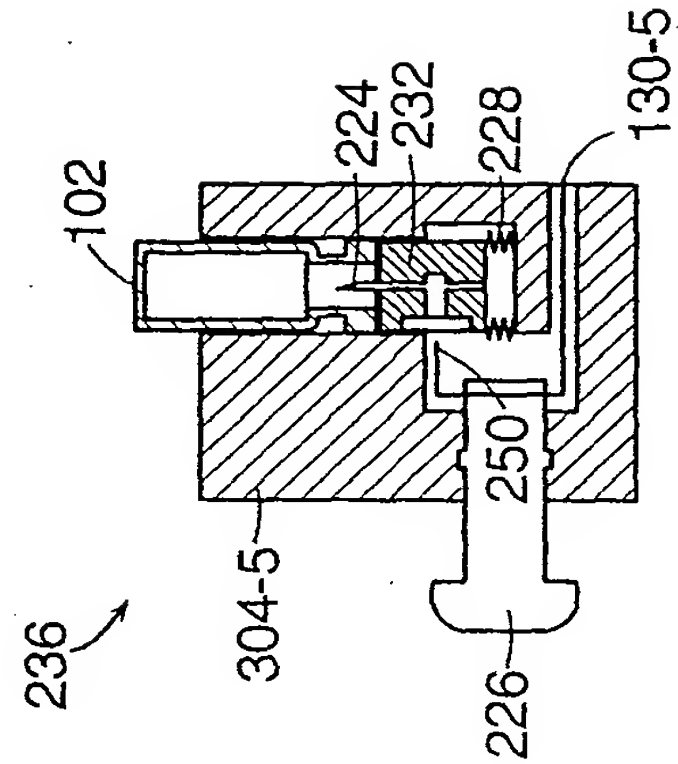


Figure 9E

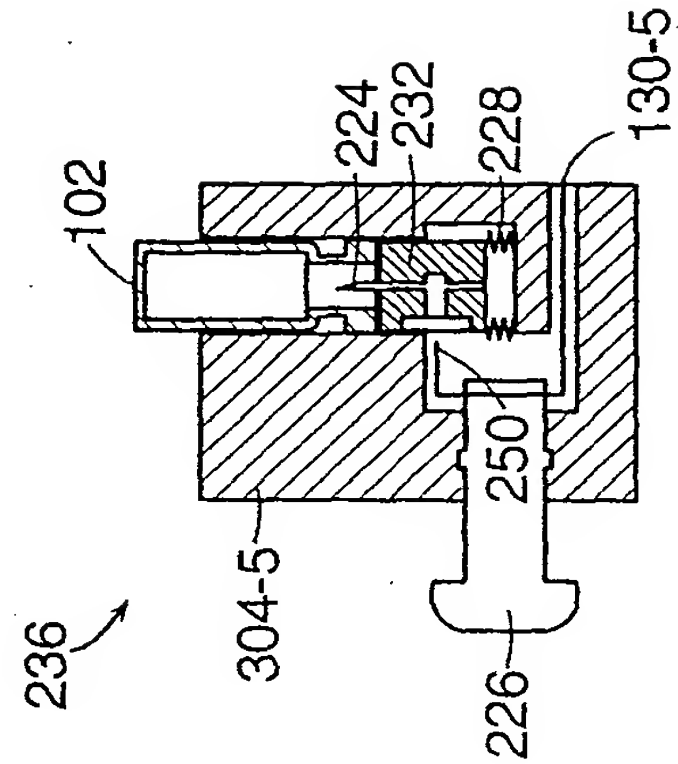


Figure 9F

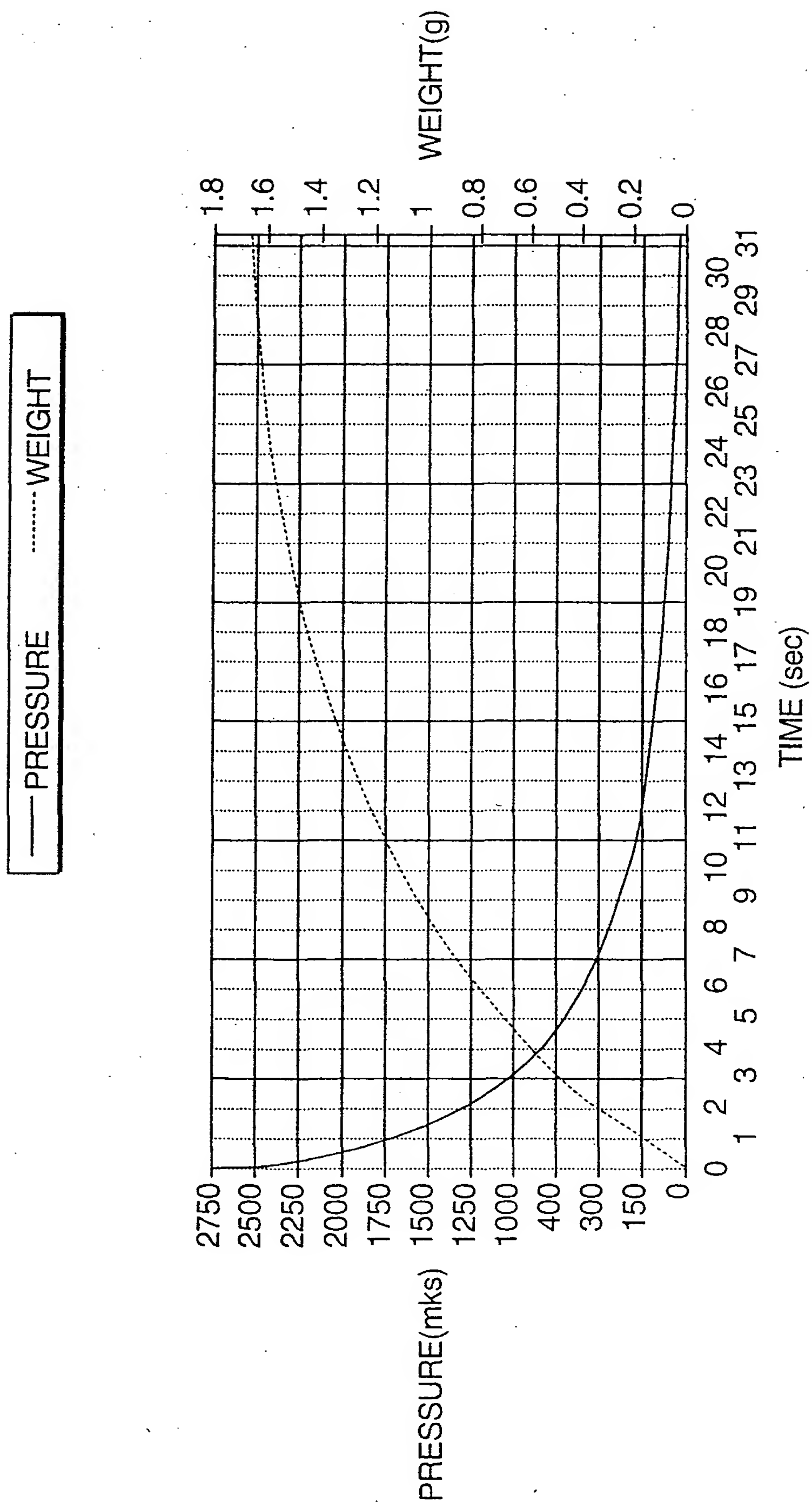


Figure 10A

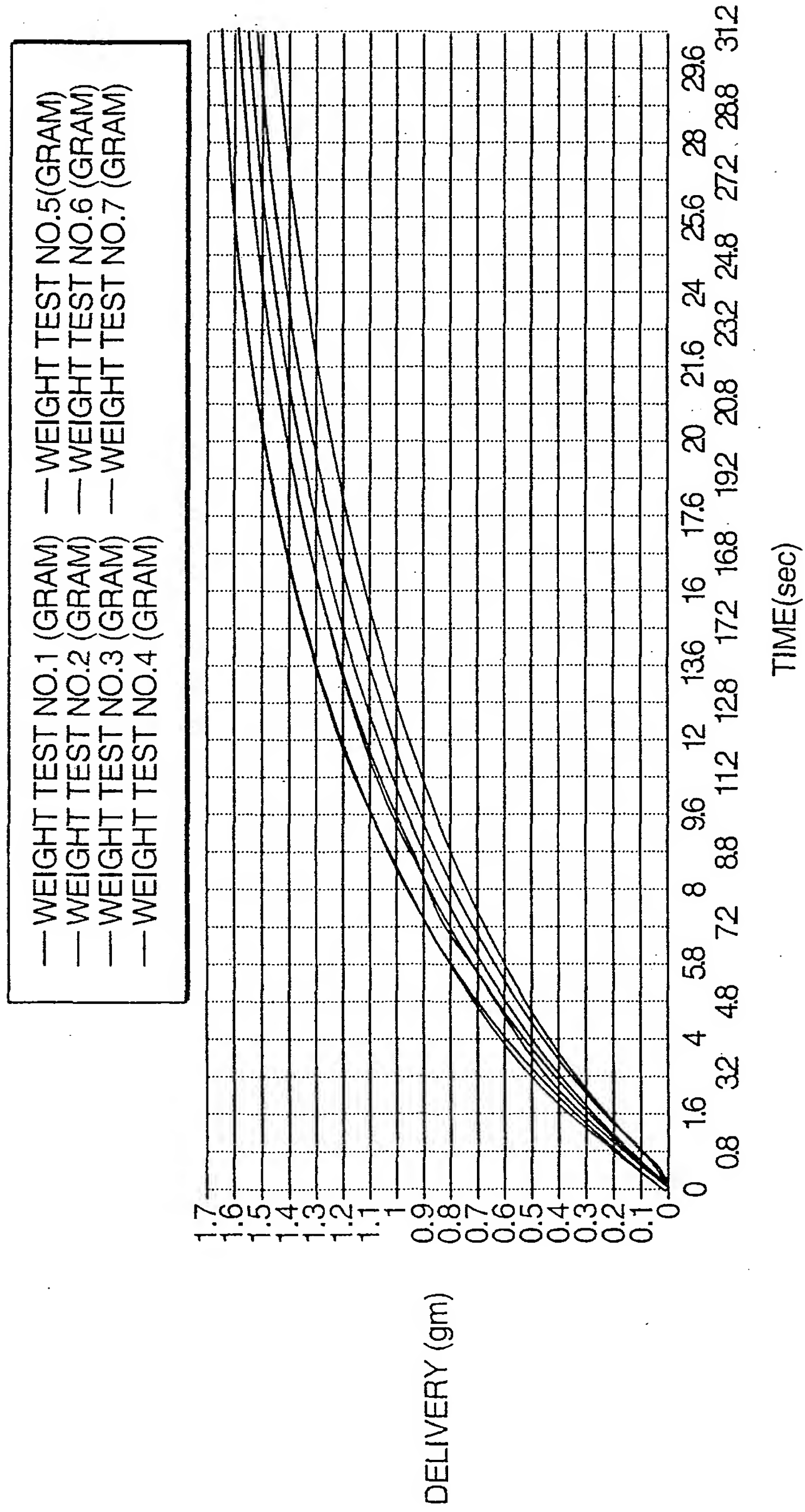


Figure 10B

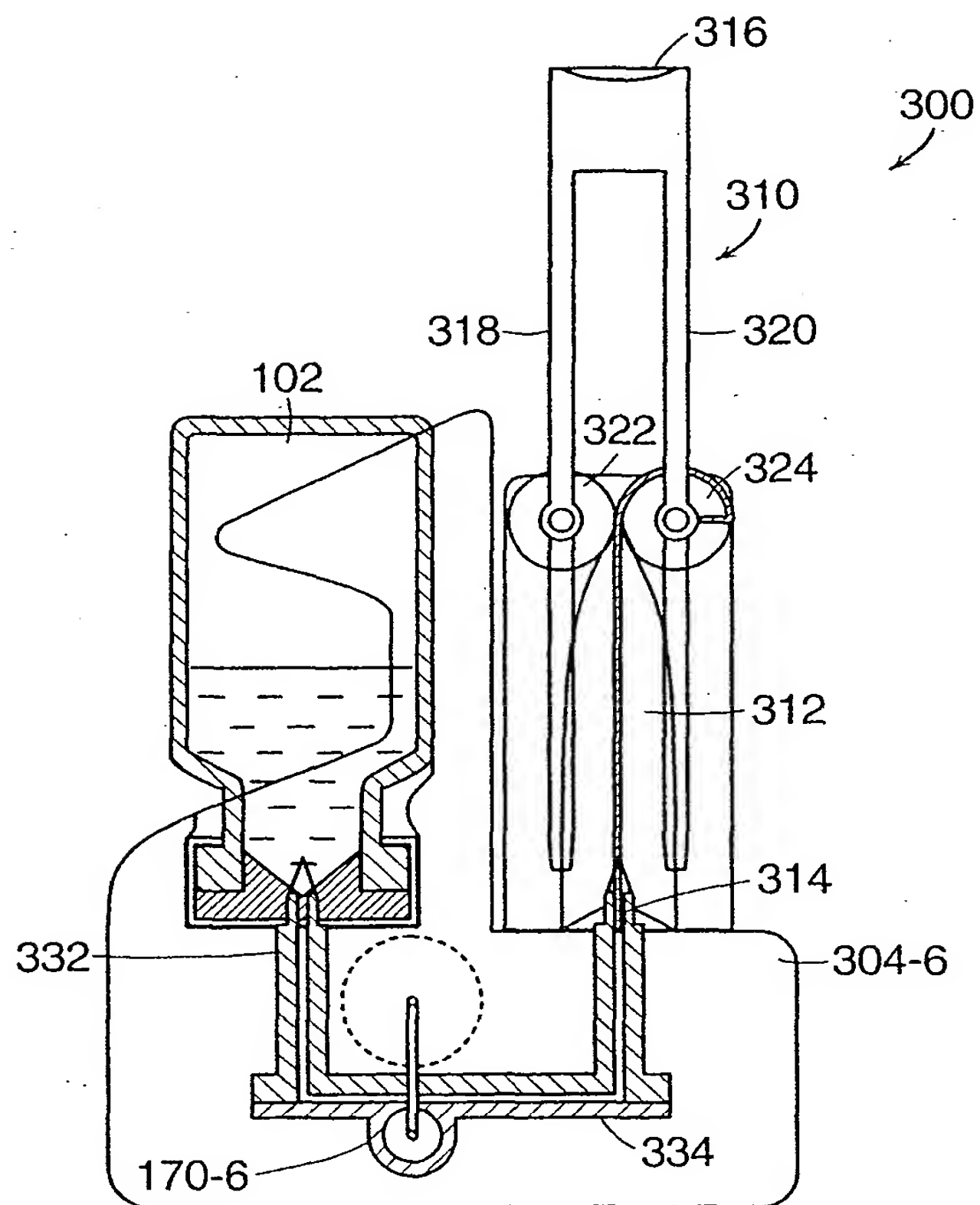


Figure 11A

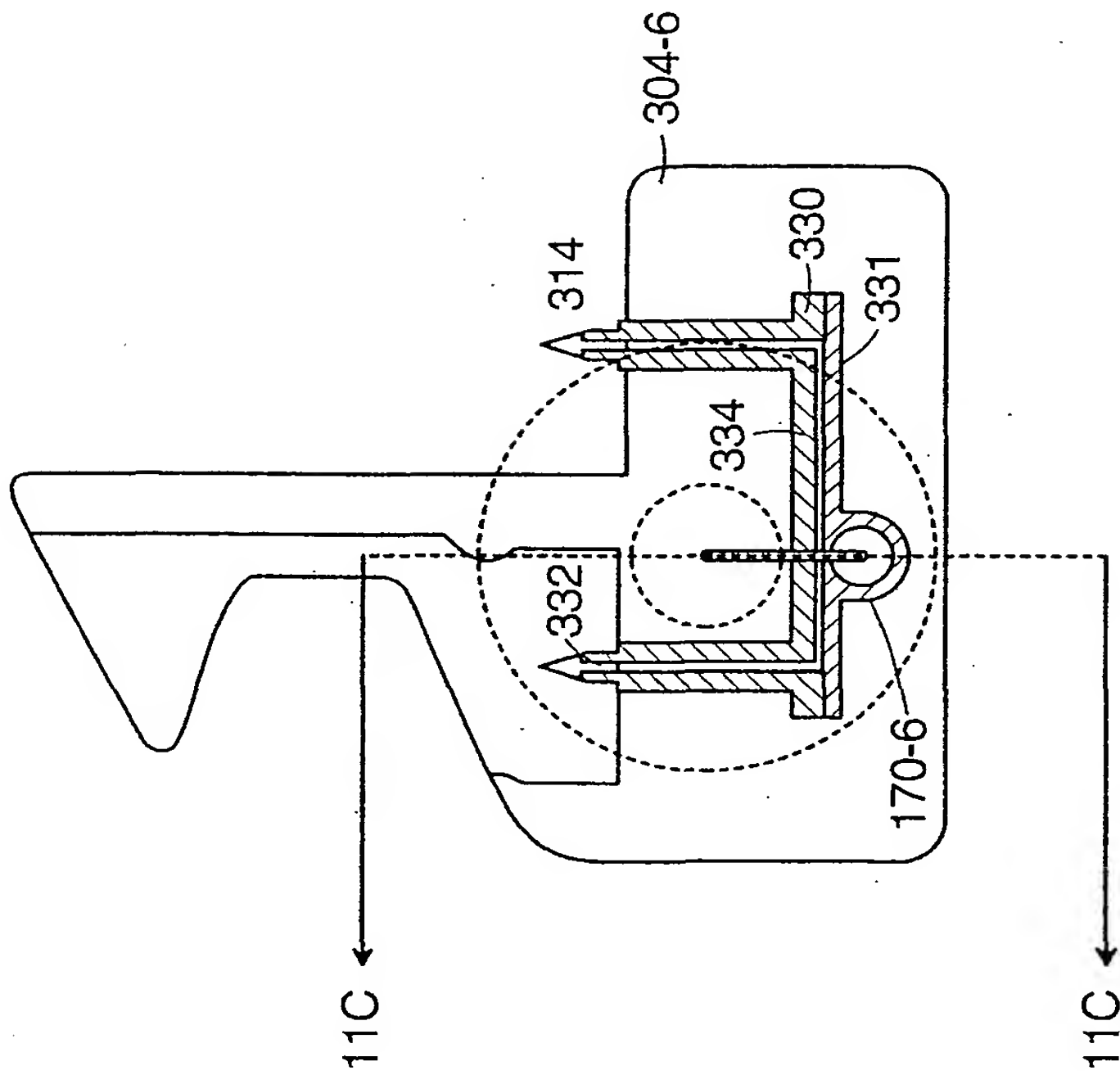


Figure 11B

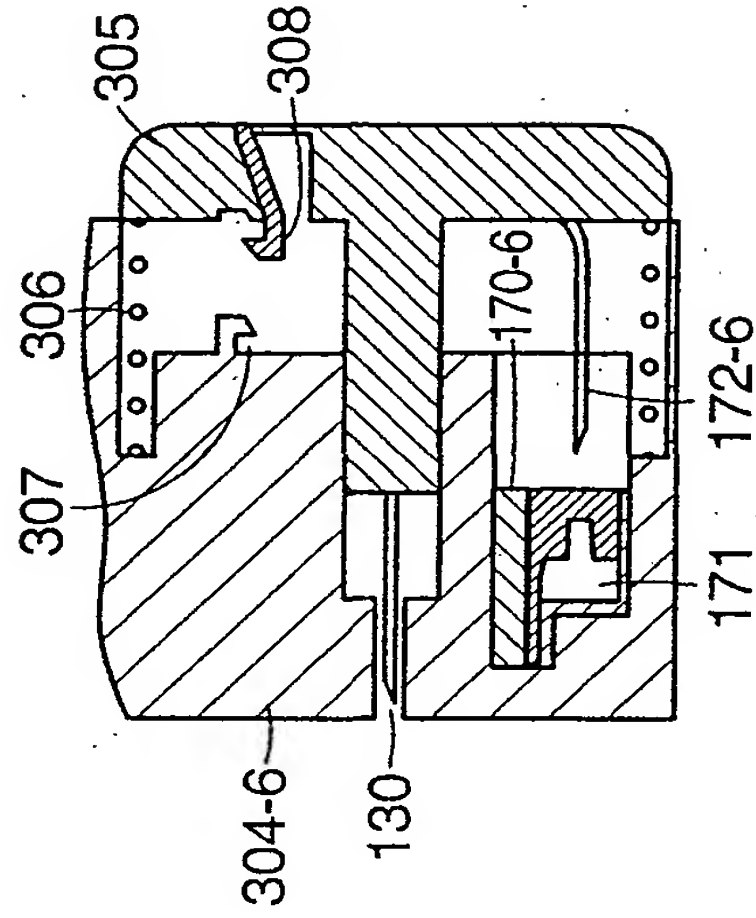


Figure 11C

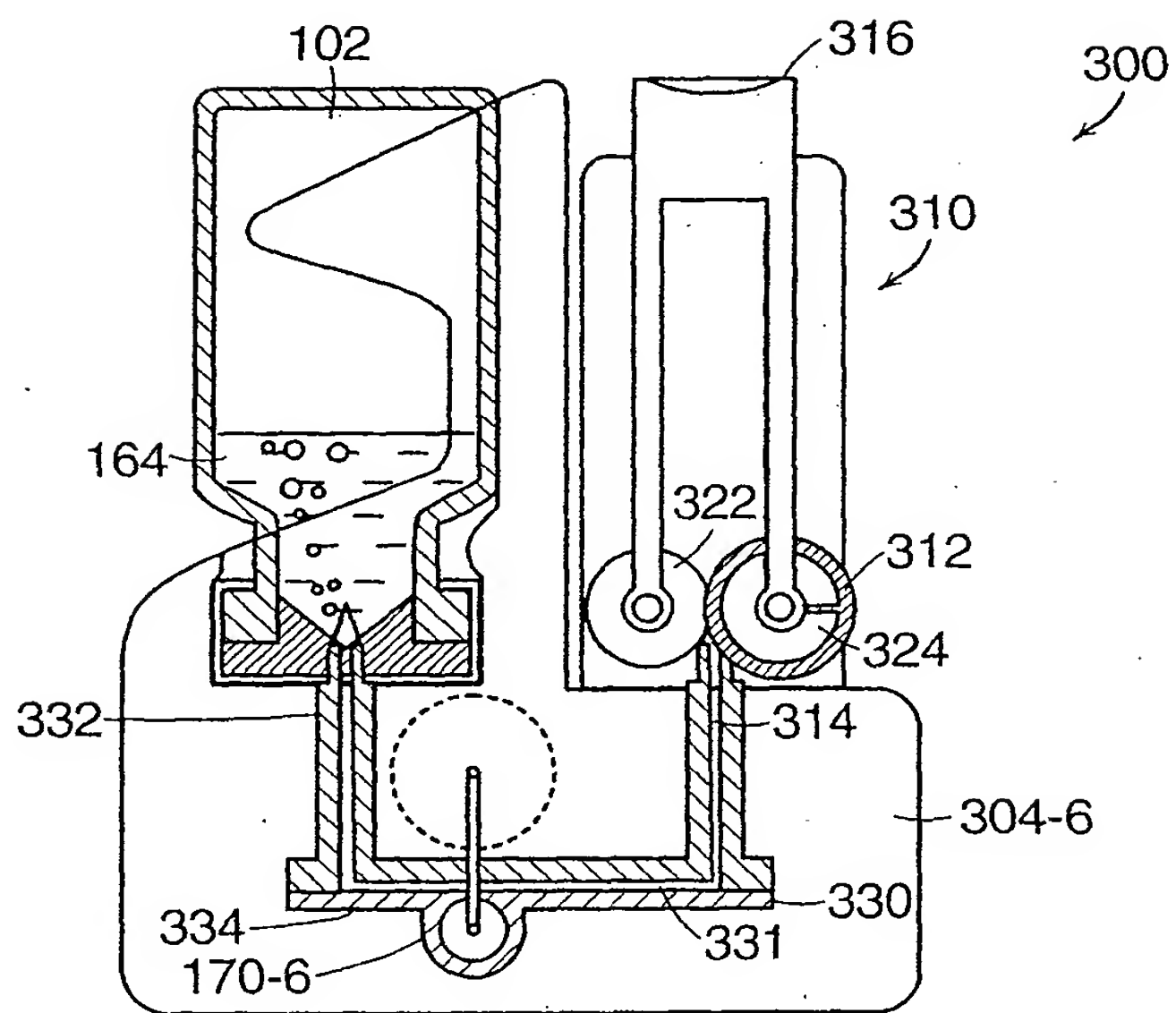


Figure 11D

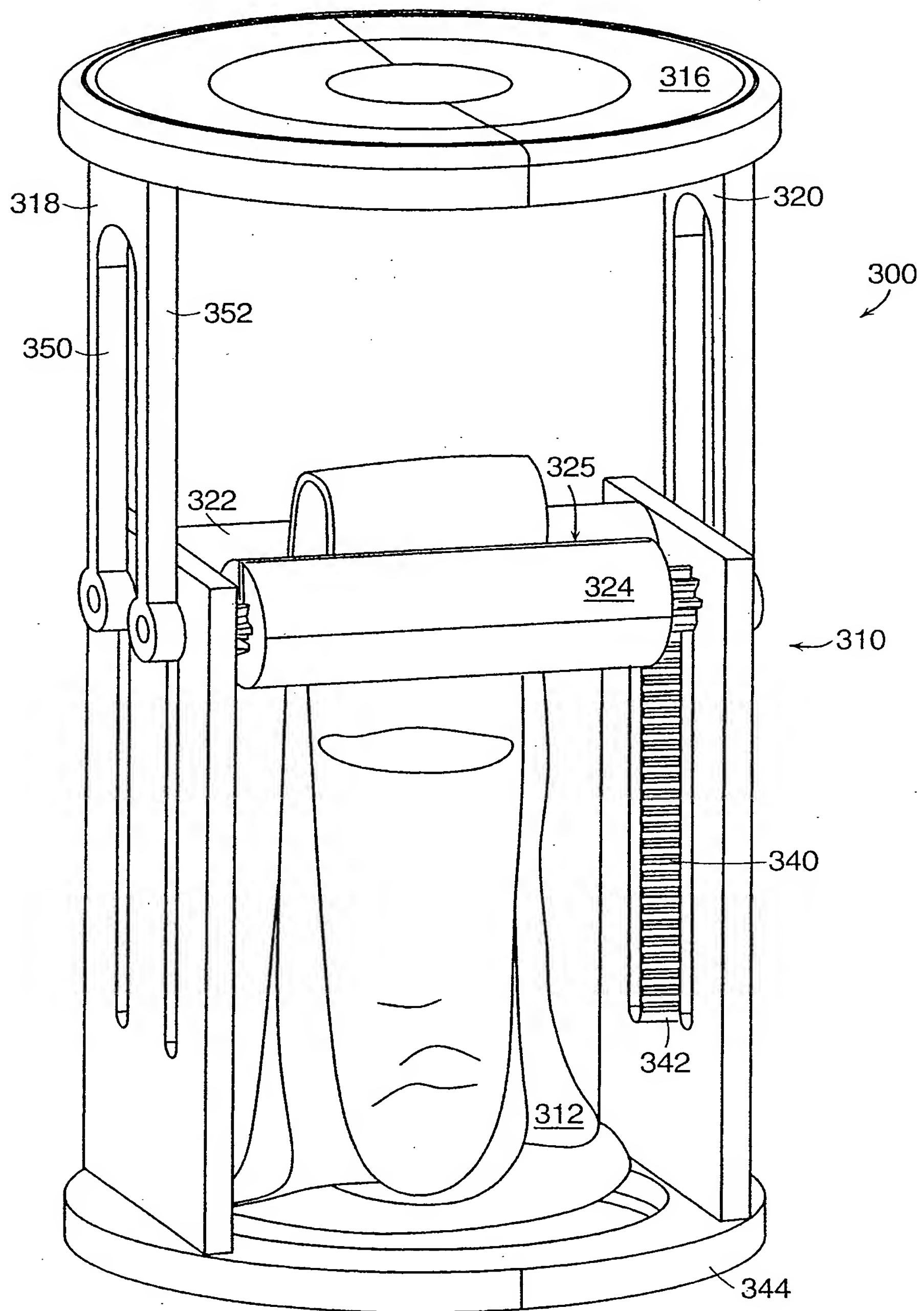


Figure 12A

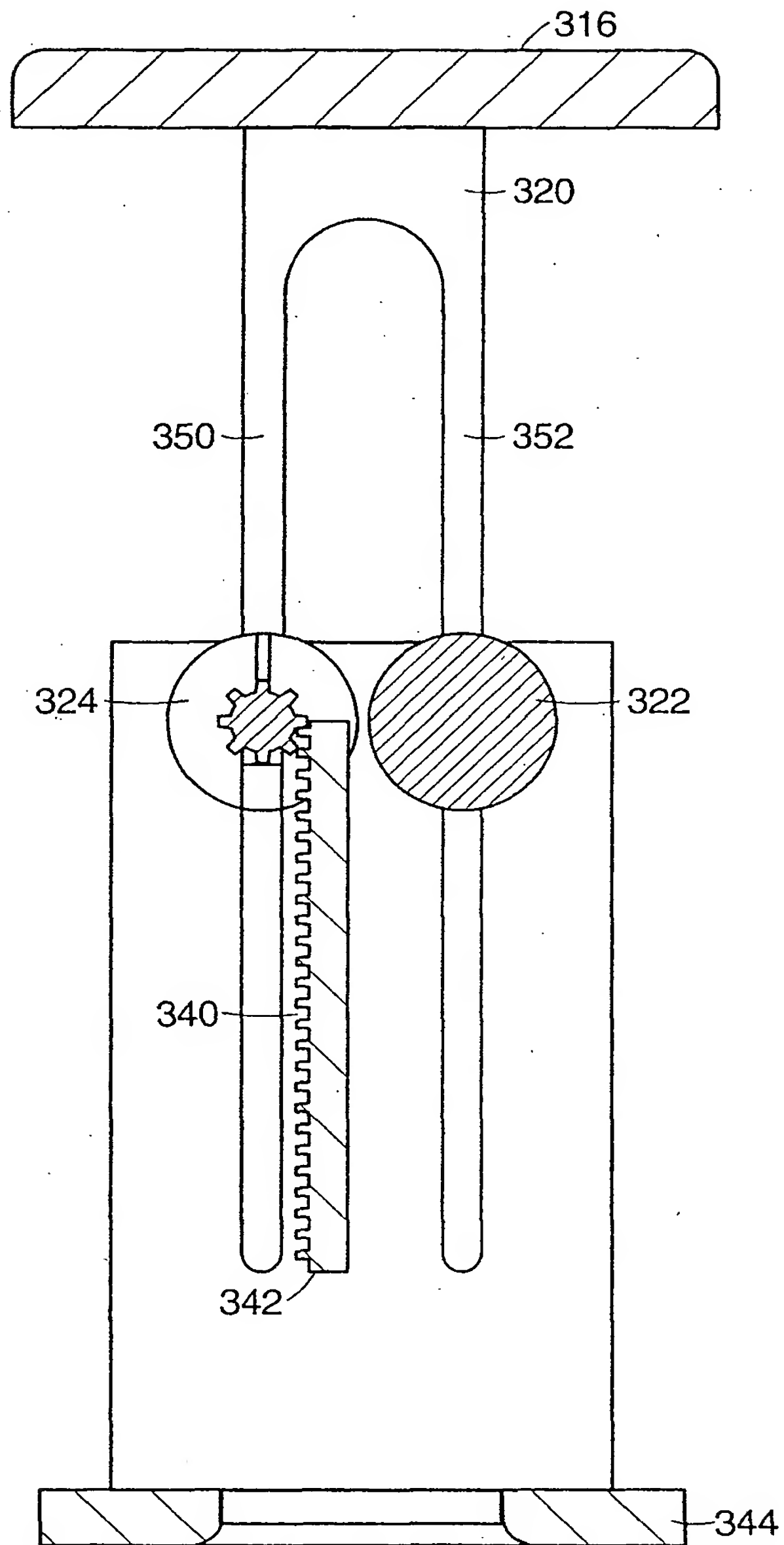


Figure 12B

100-7

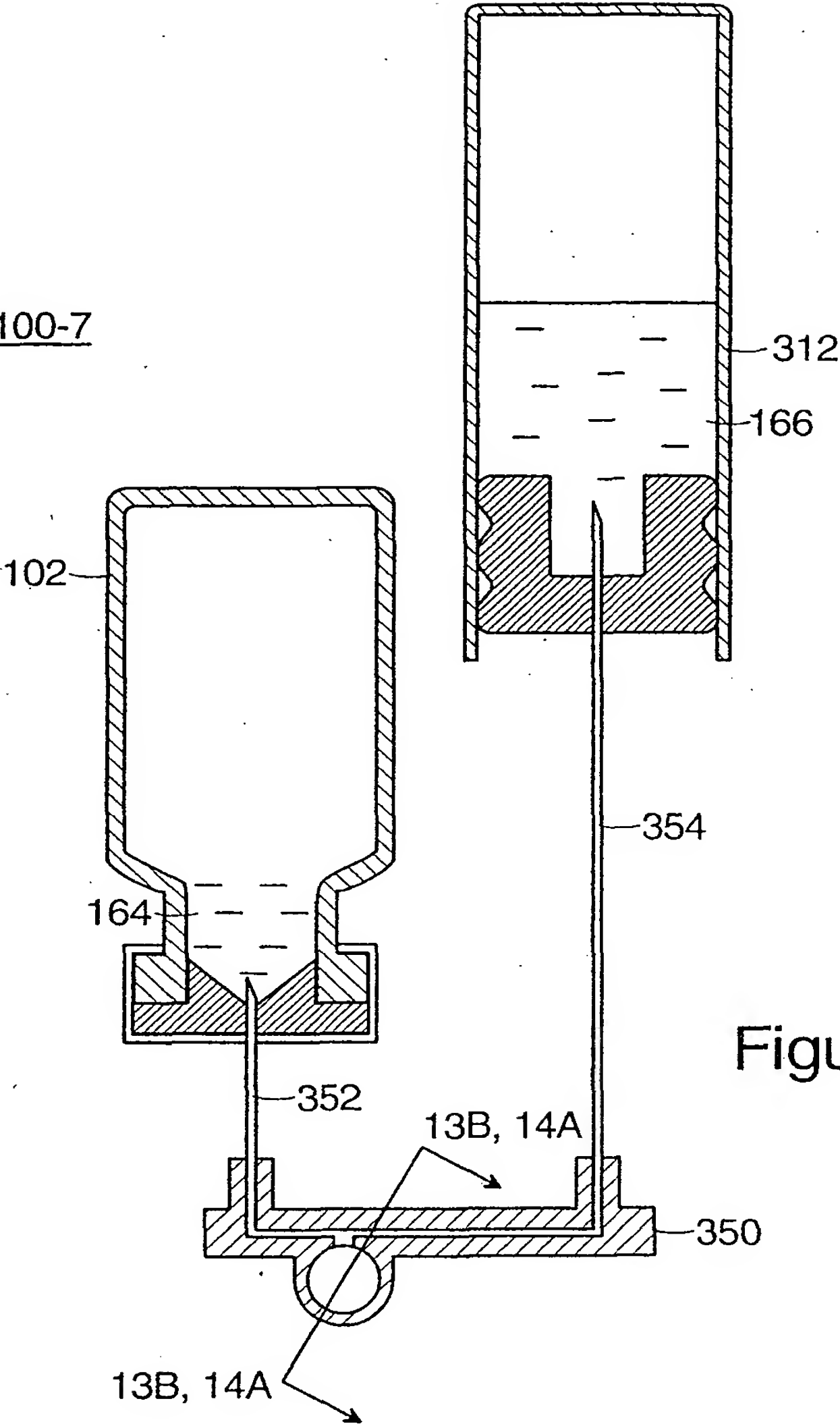


Figure 13A

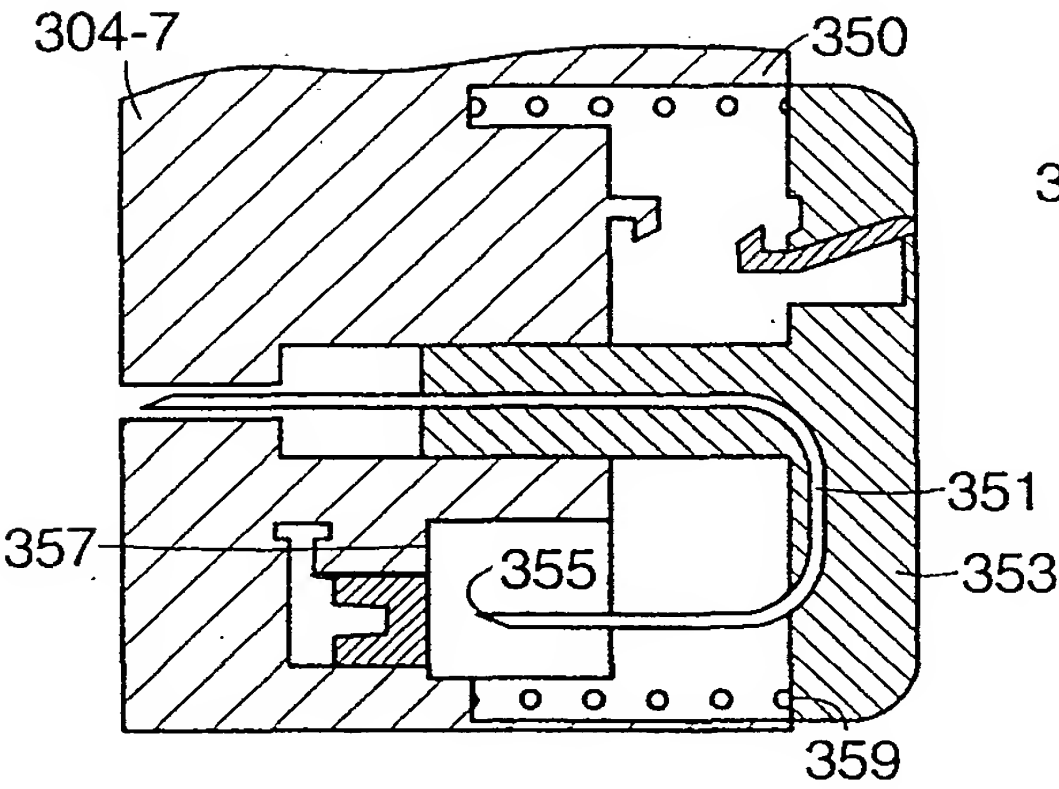


Figure 13B

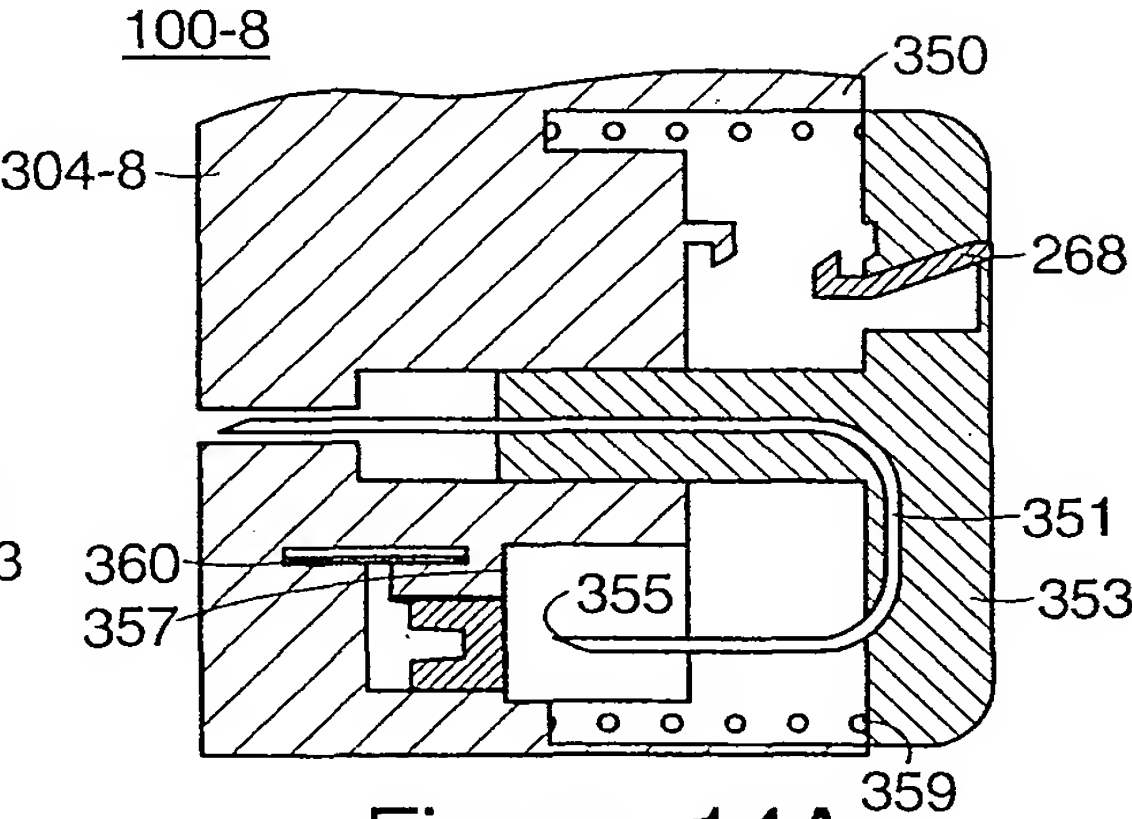


Figure 14A

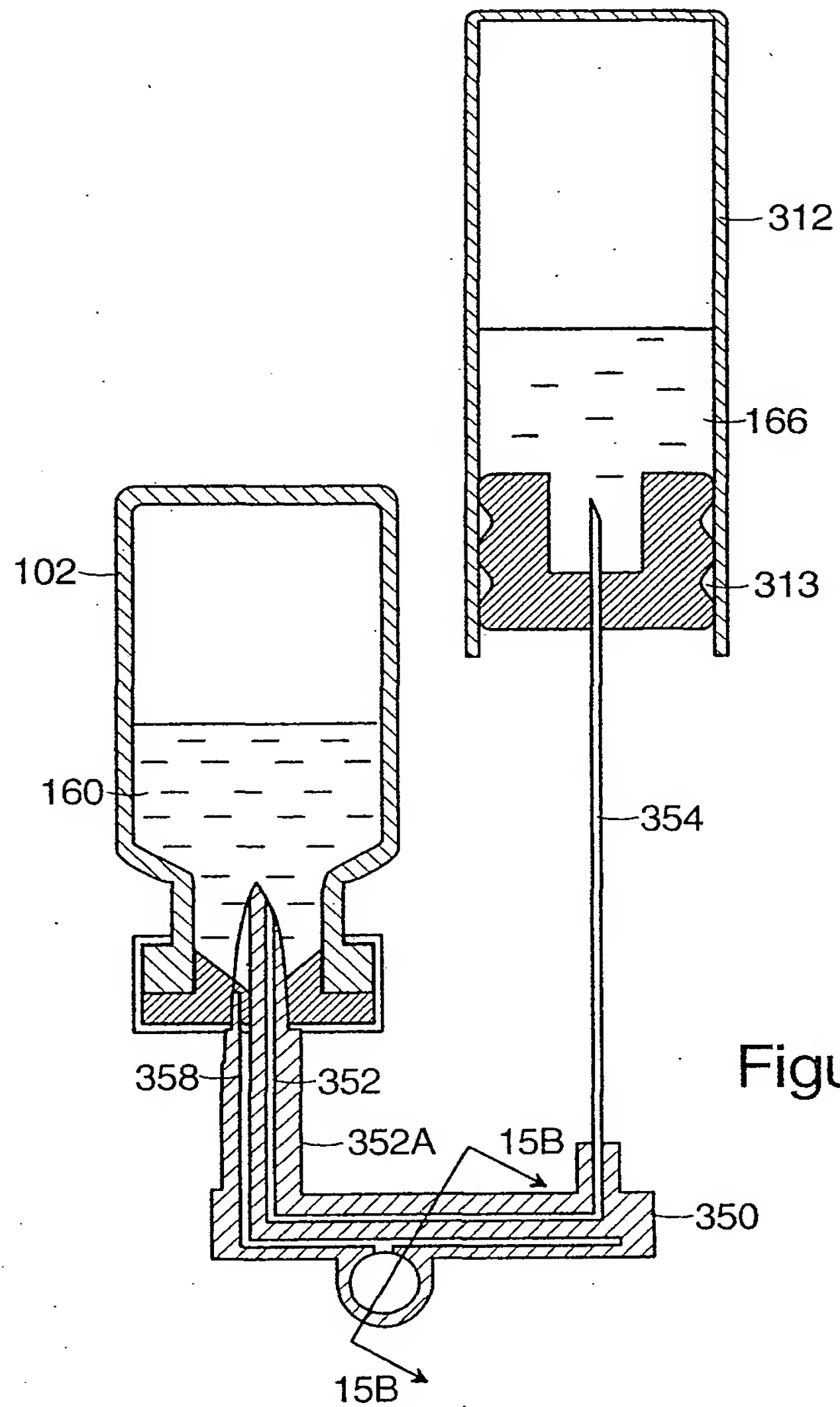


Figure 15A

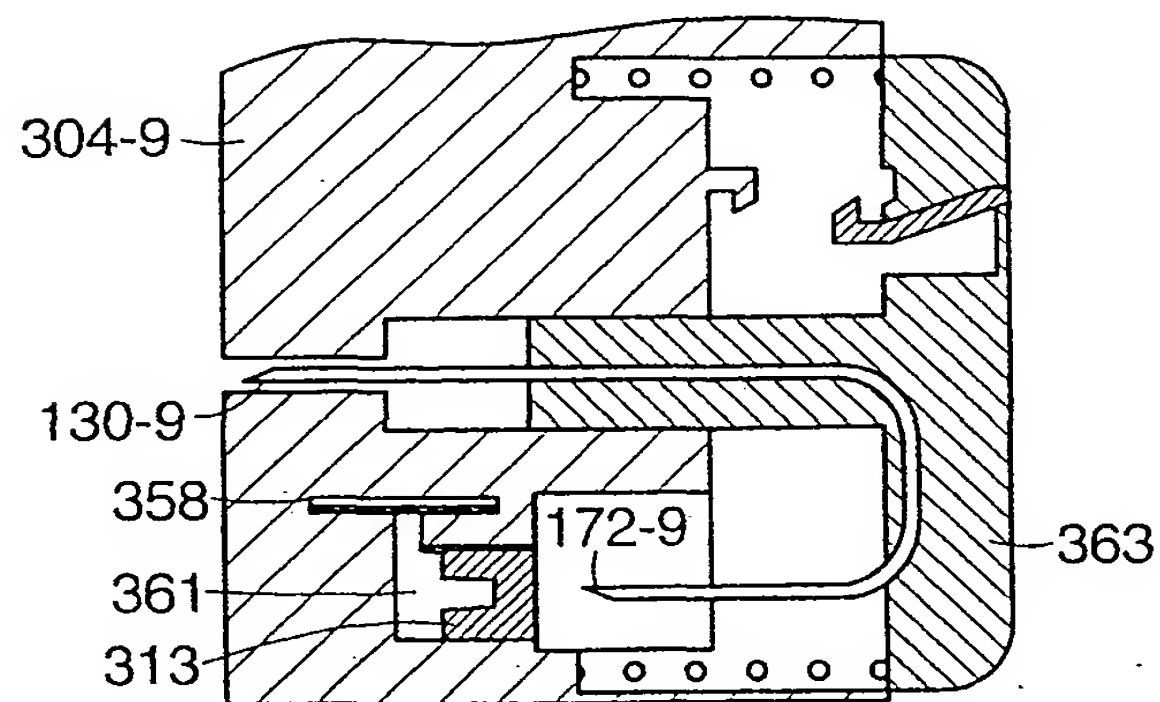


Figure 15B

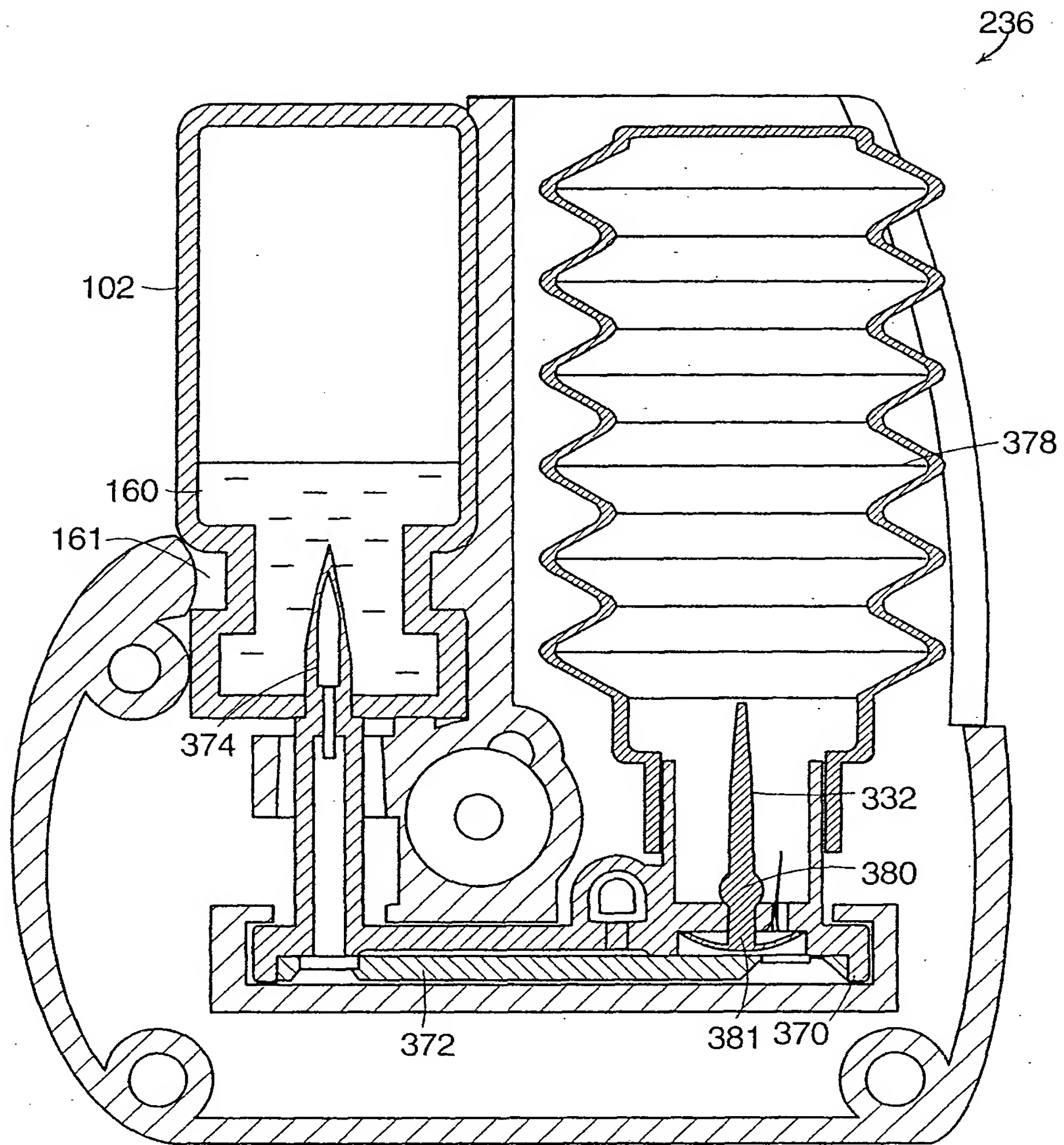


Figure 16

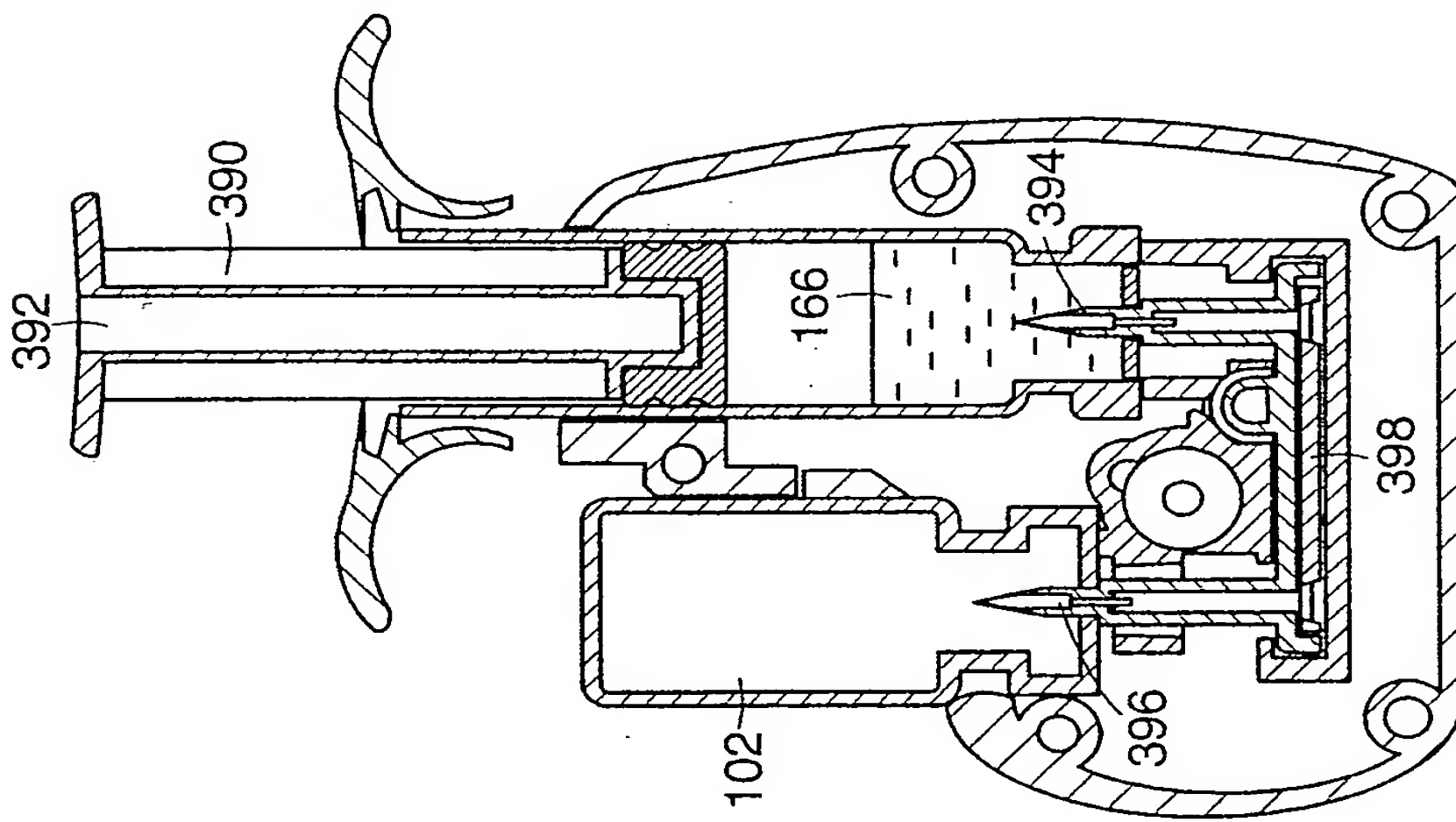


Figure 17A

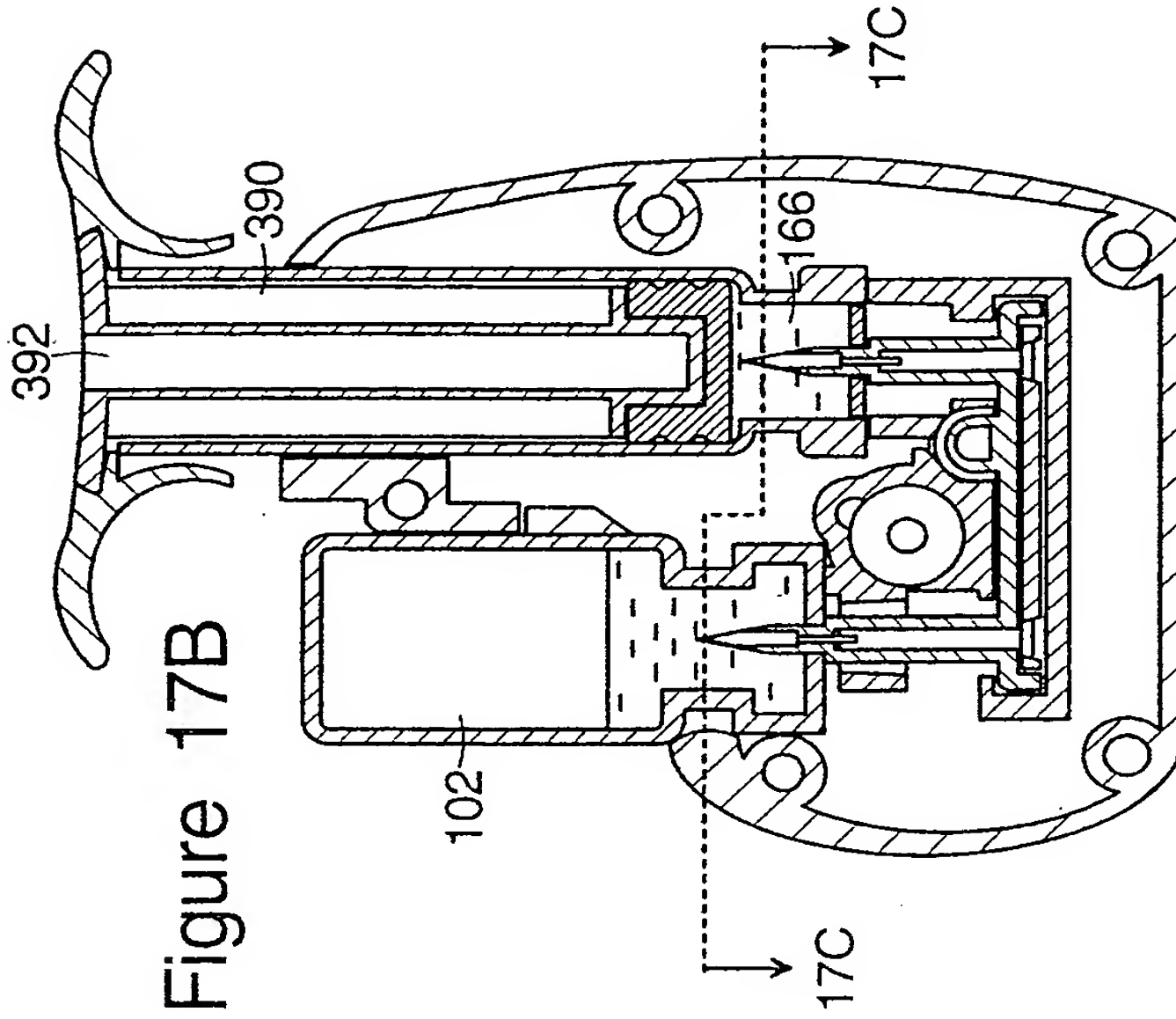


Figure 17B

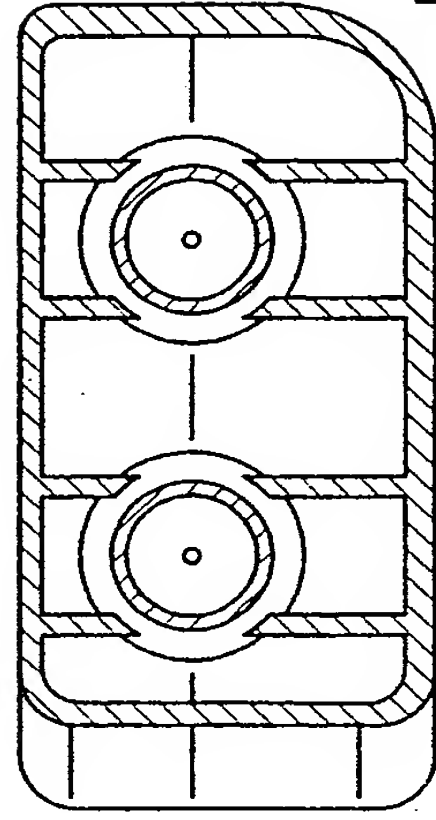


Figure 17C

Figure 18A-1

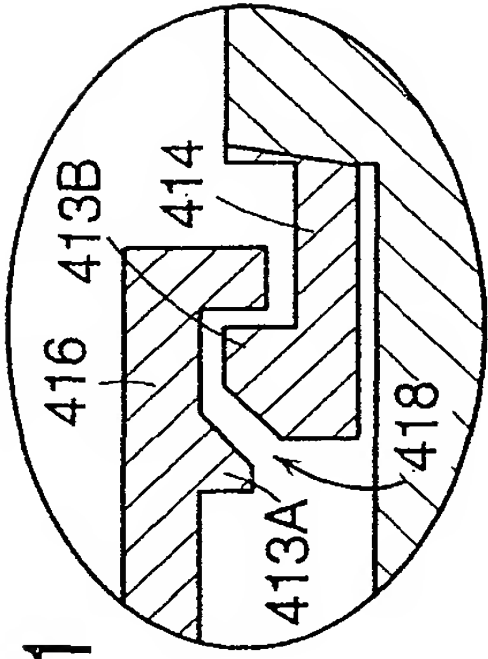
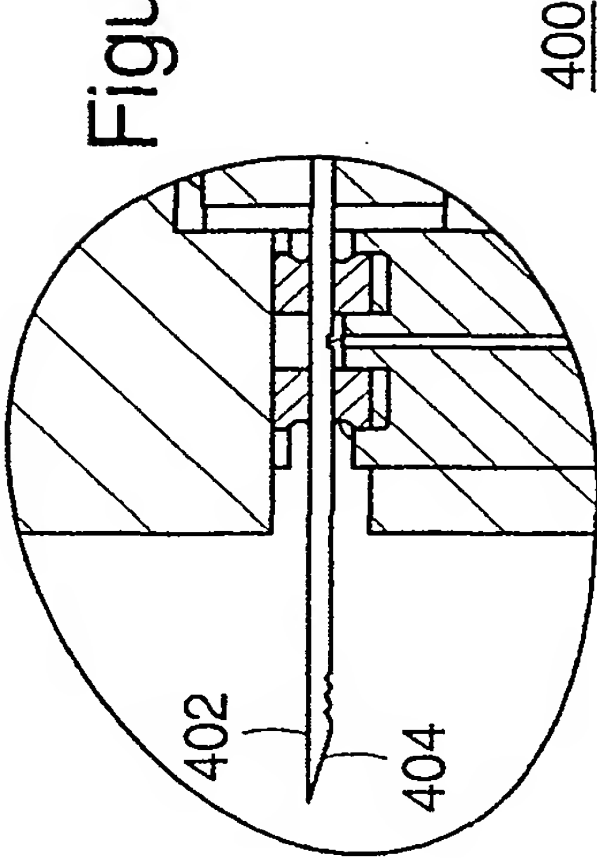


Figure 18B-1



400

400

400

Figure 18A-1

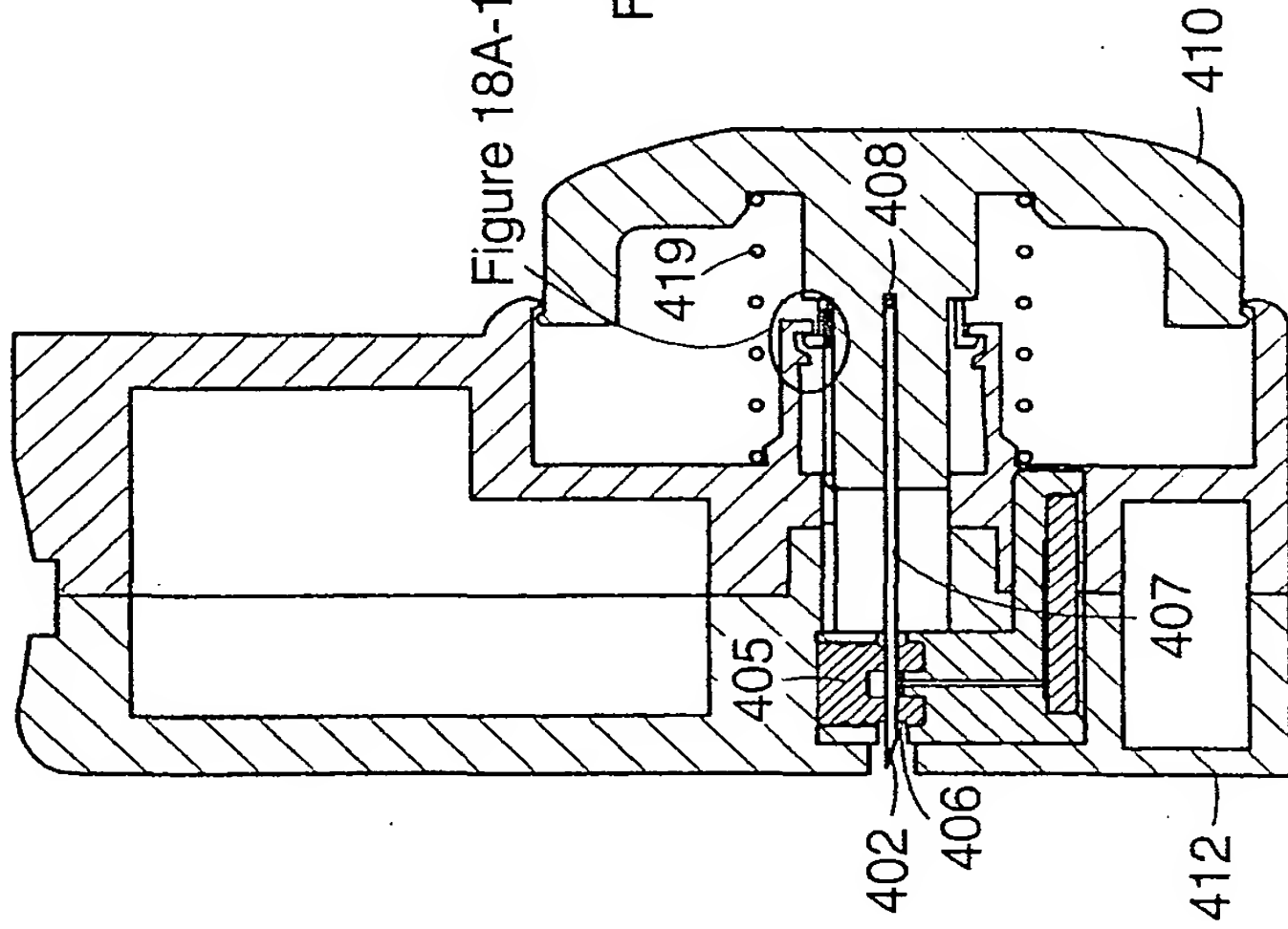


Figure 18B-1

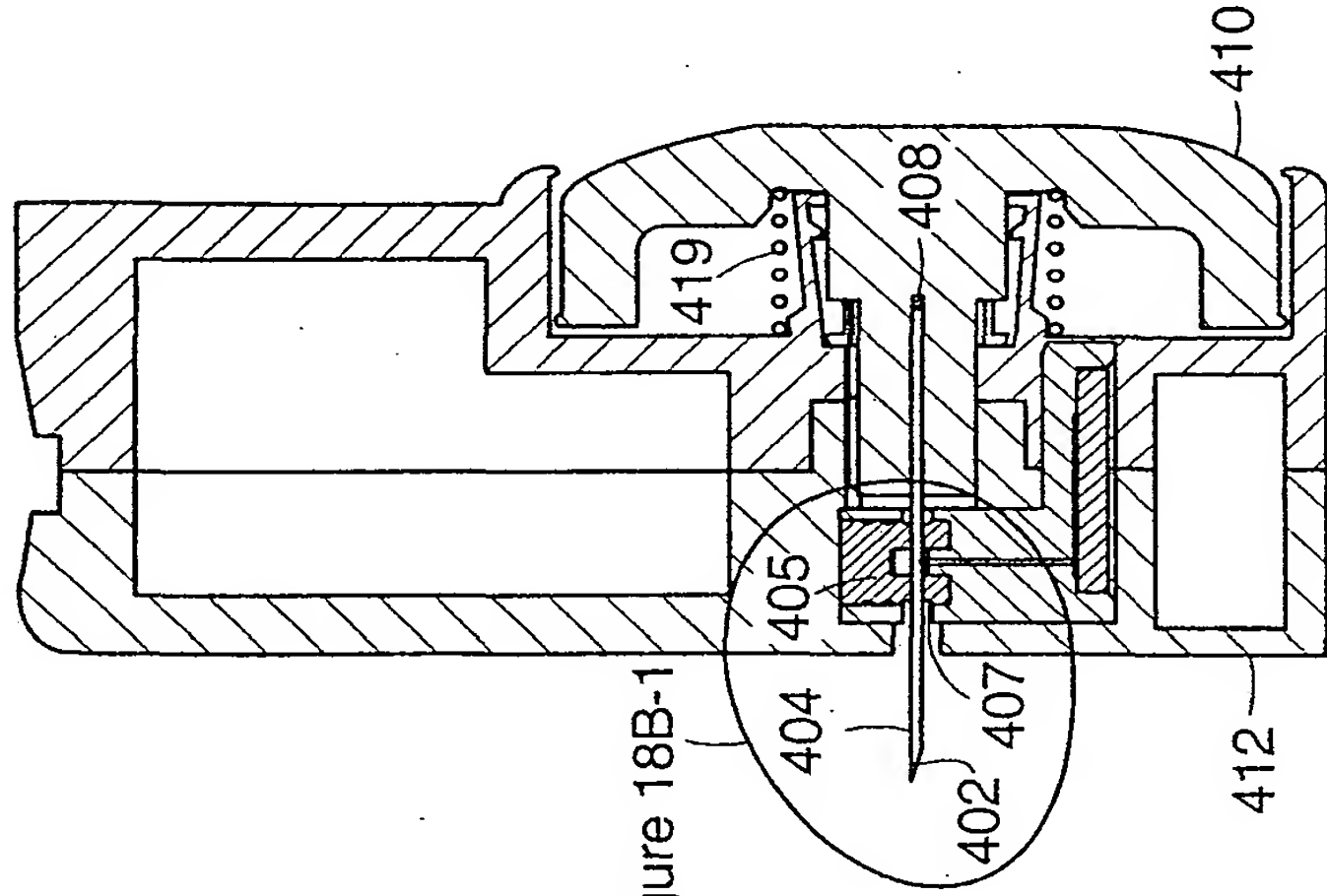


Figure 18A

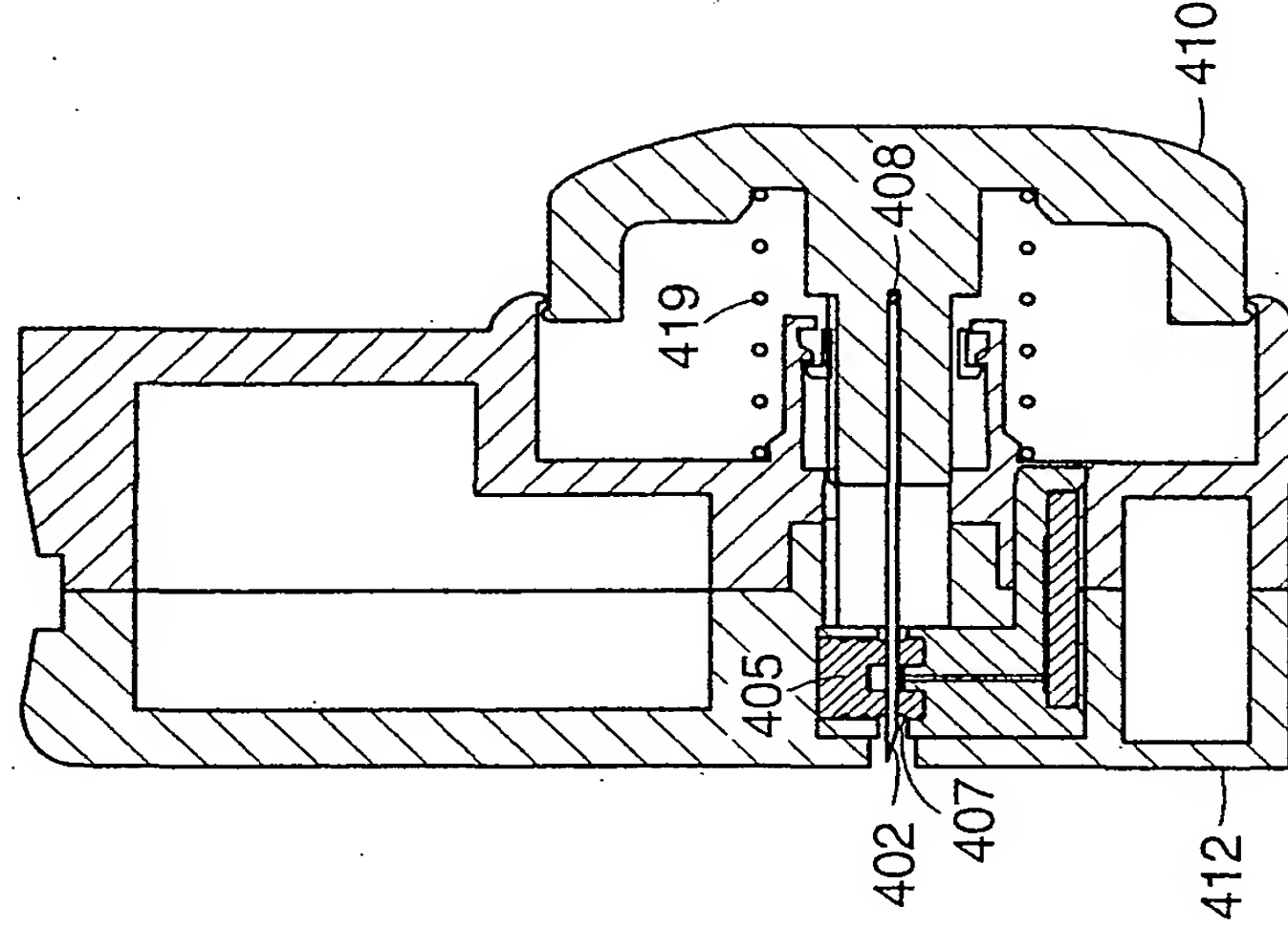


Figure 18B

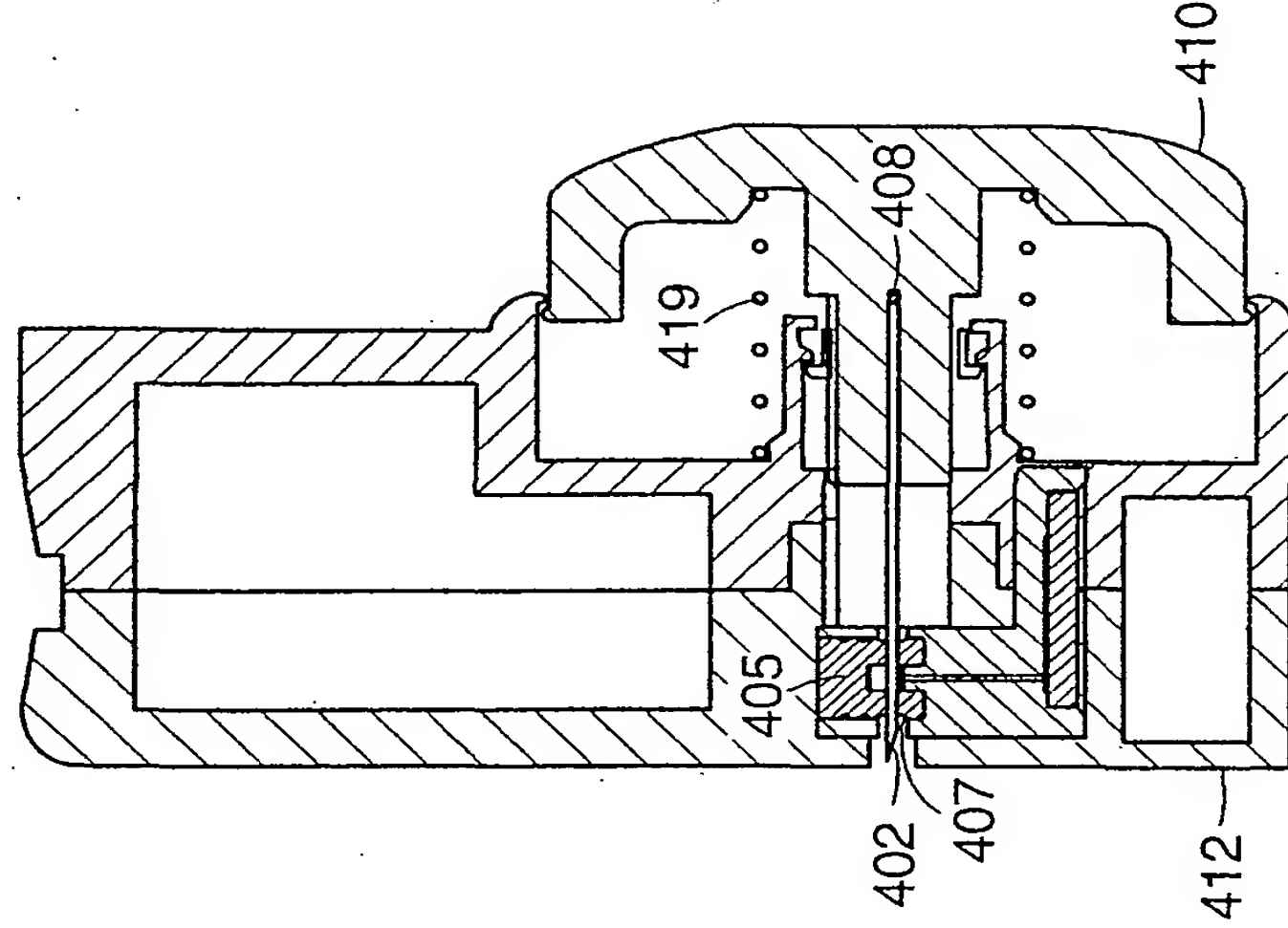
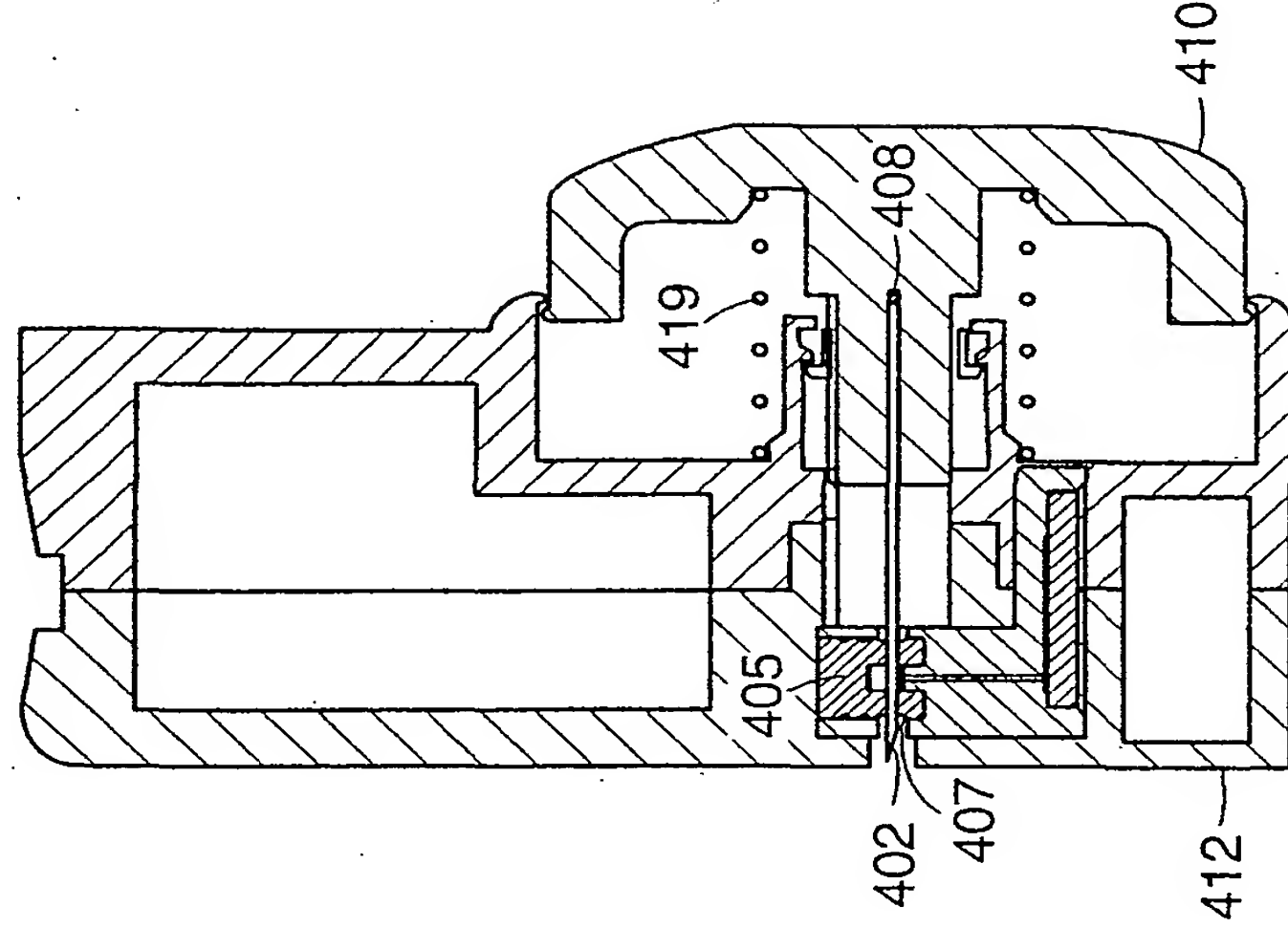


Figure 18C



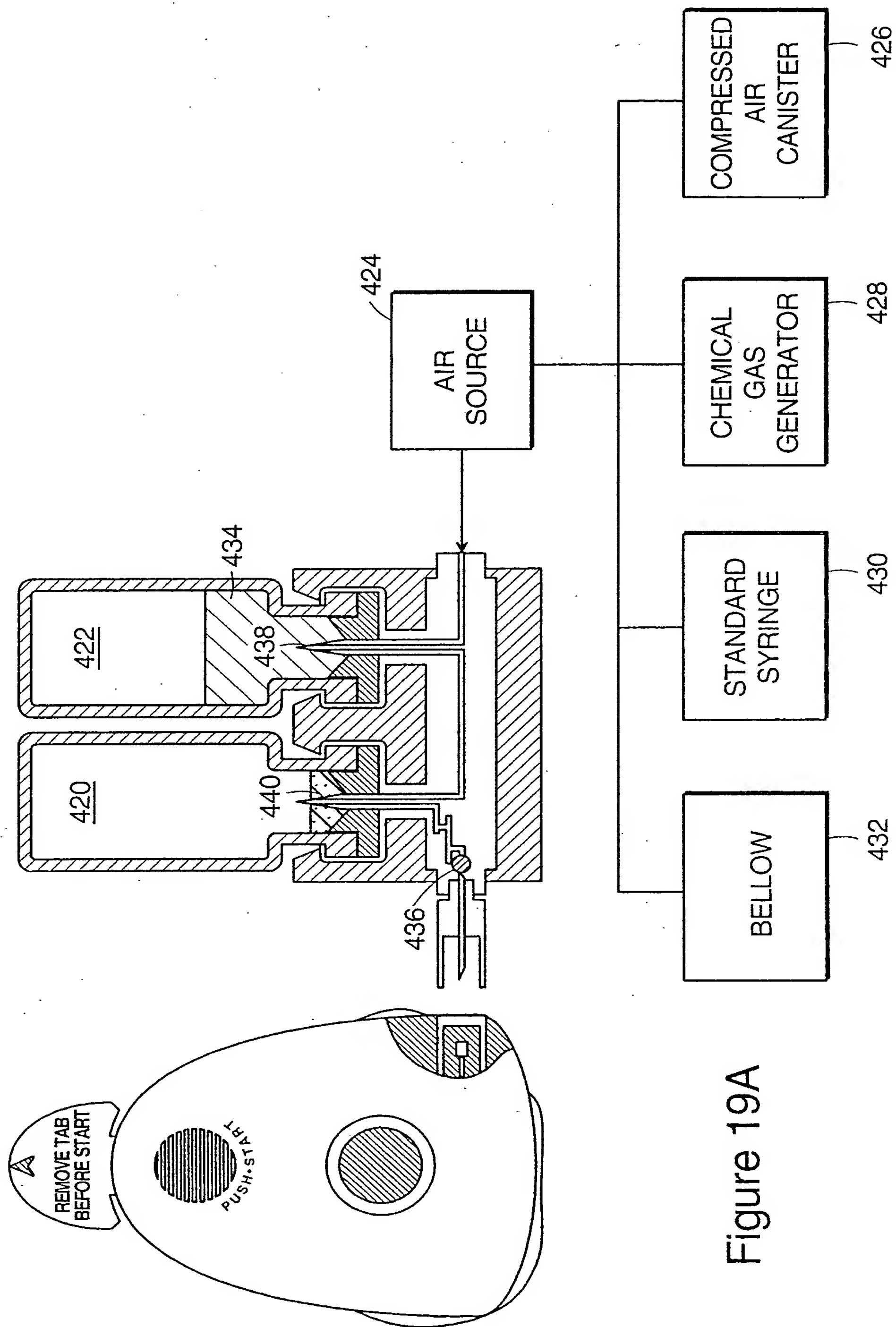


Figure 19A

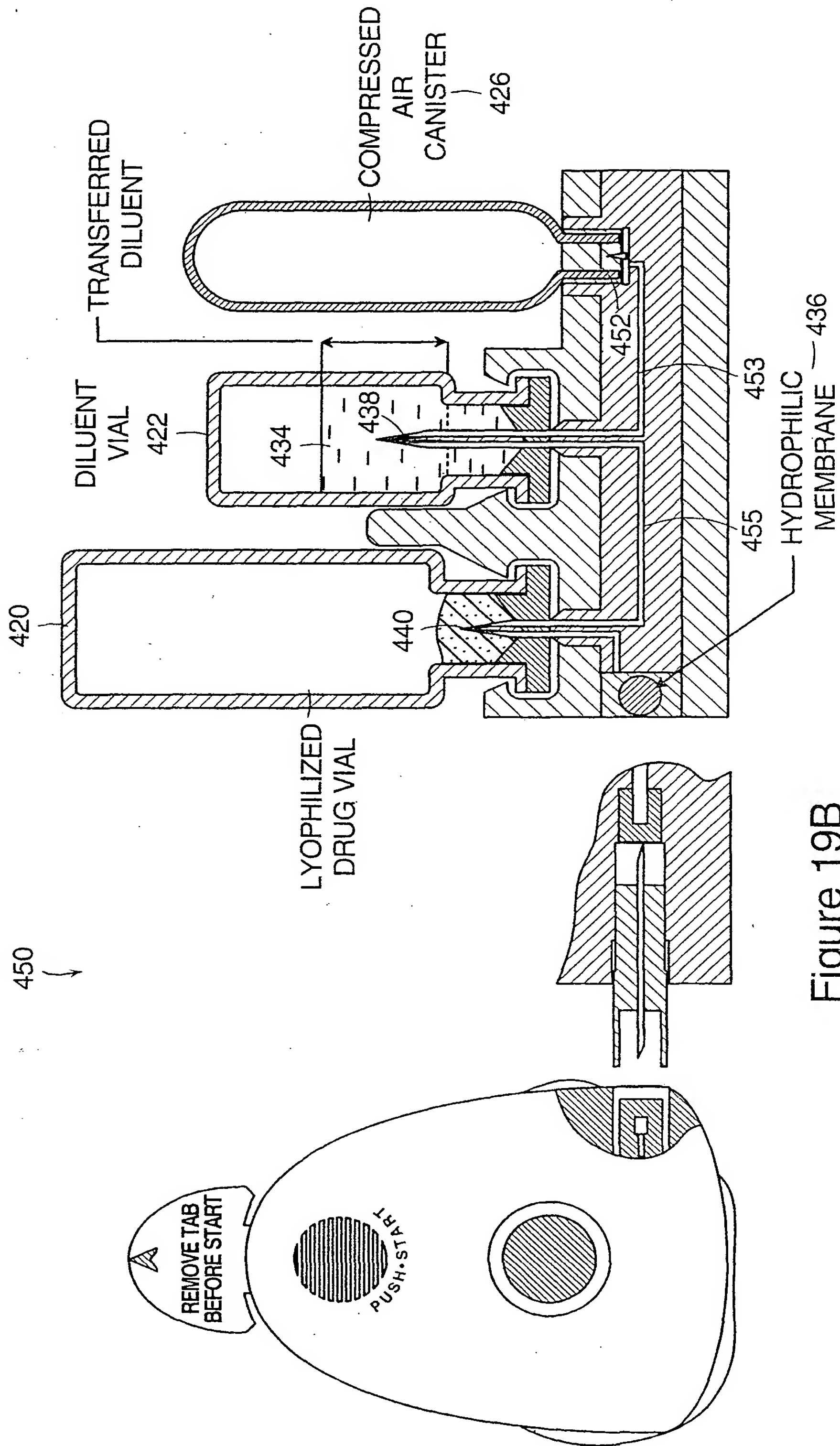


Figure 19B

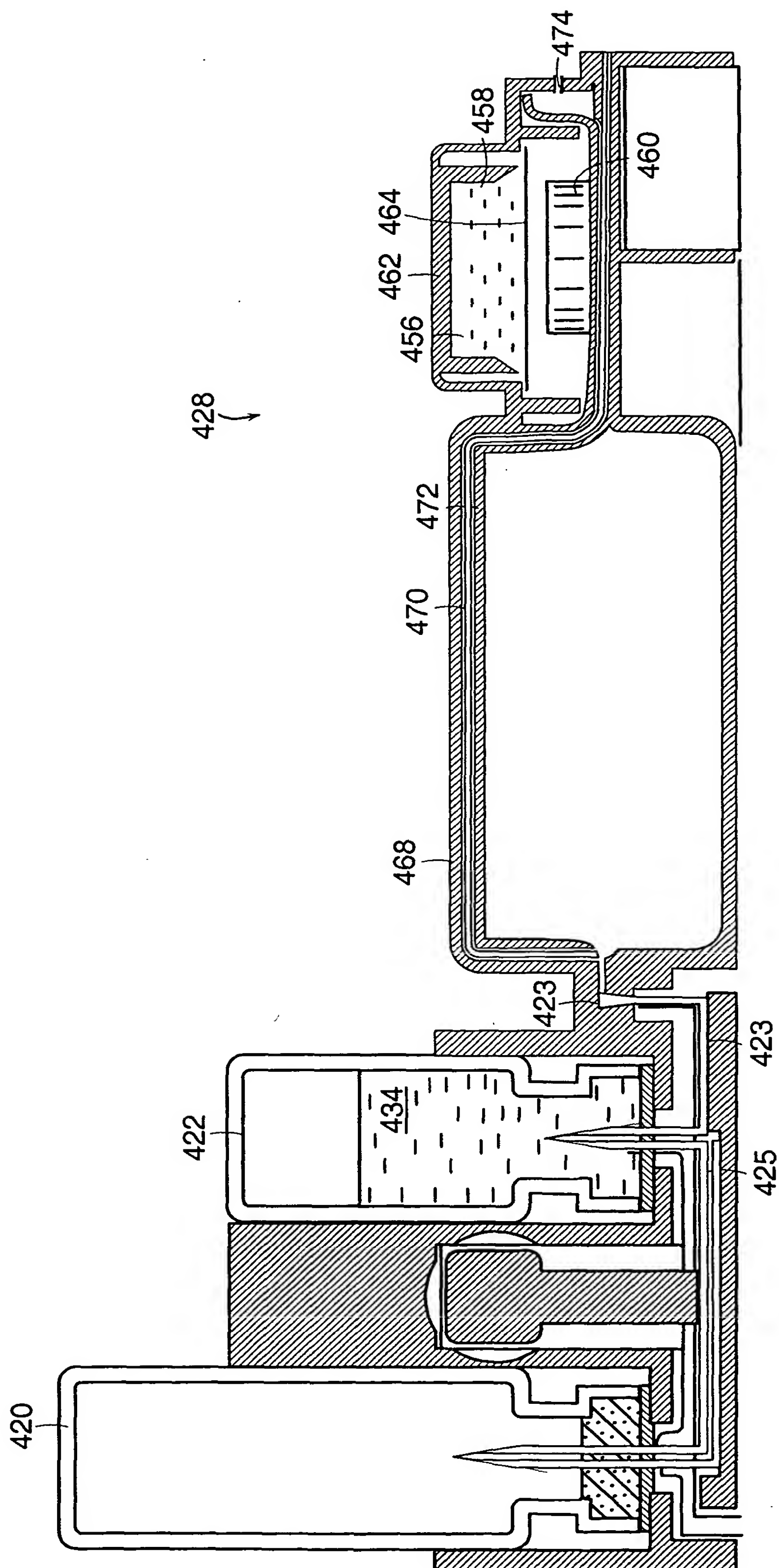


Figure 19C

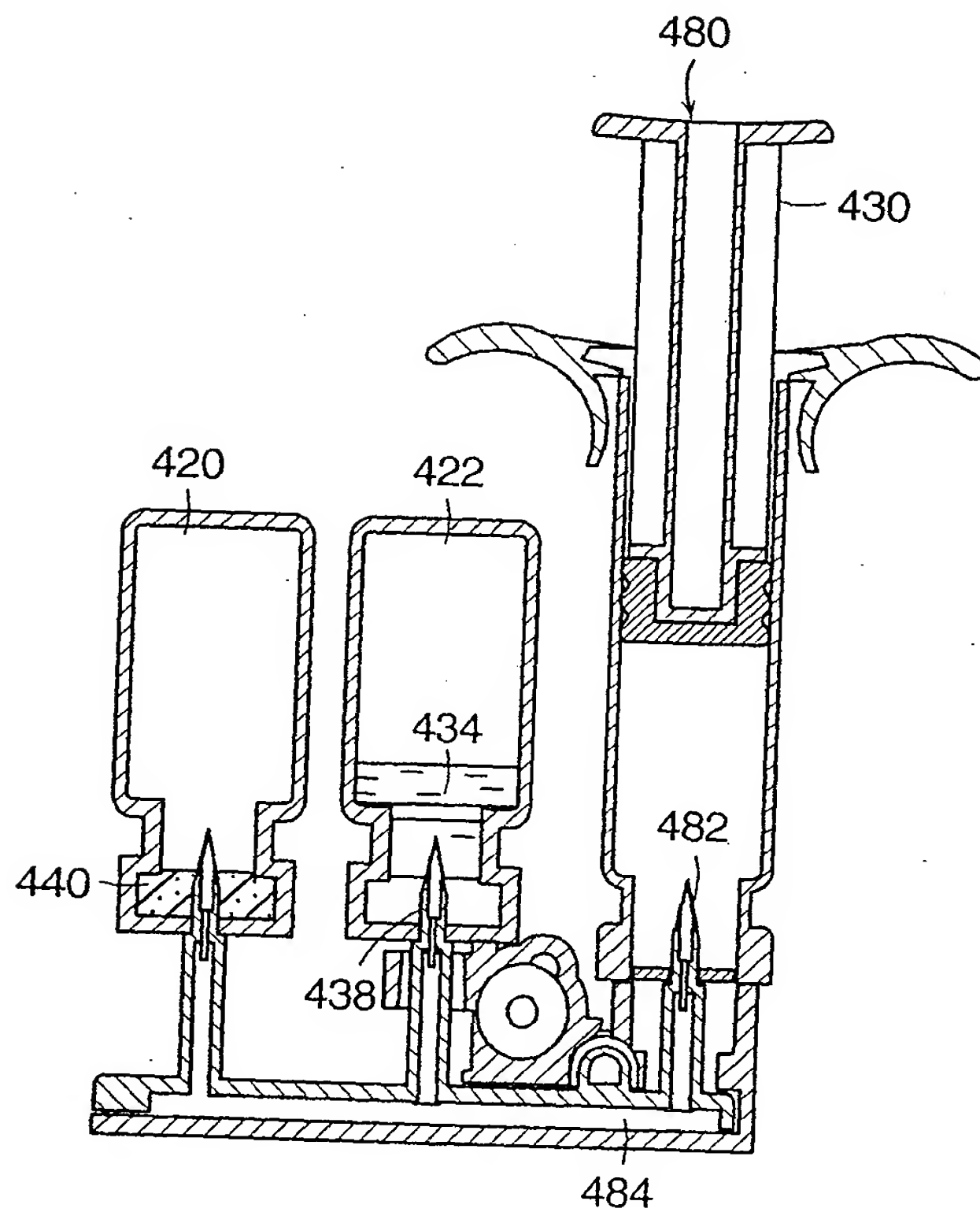


Figure 19D

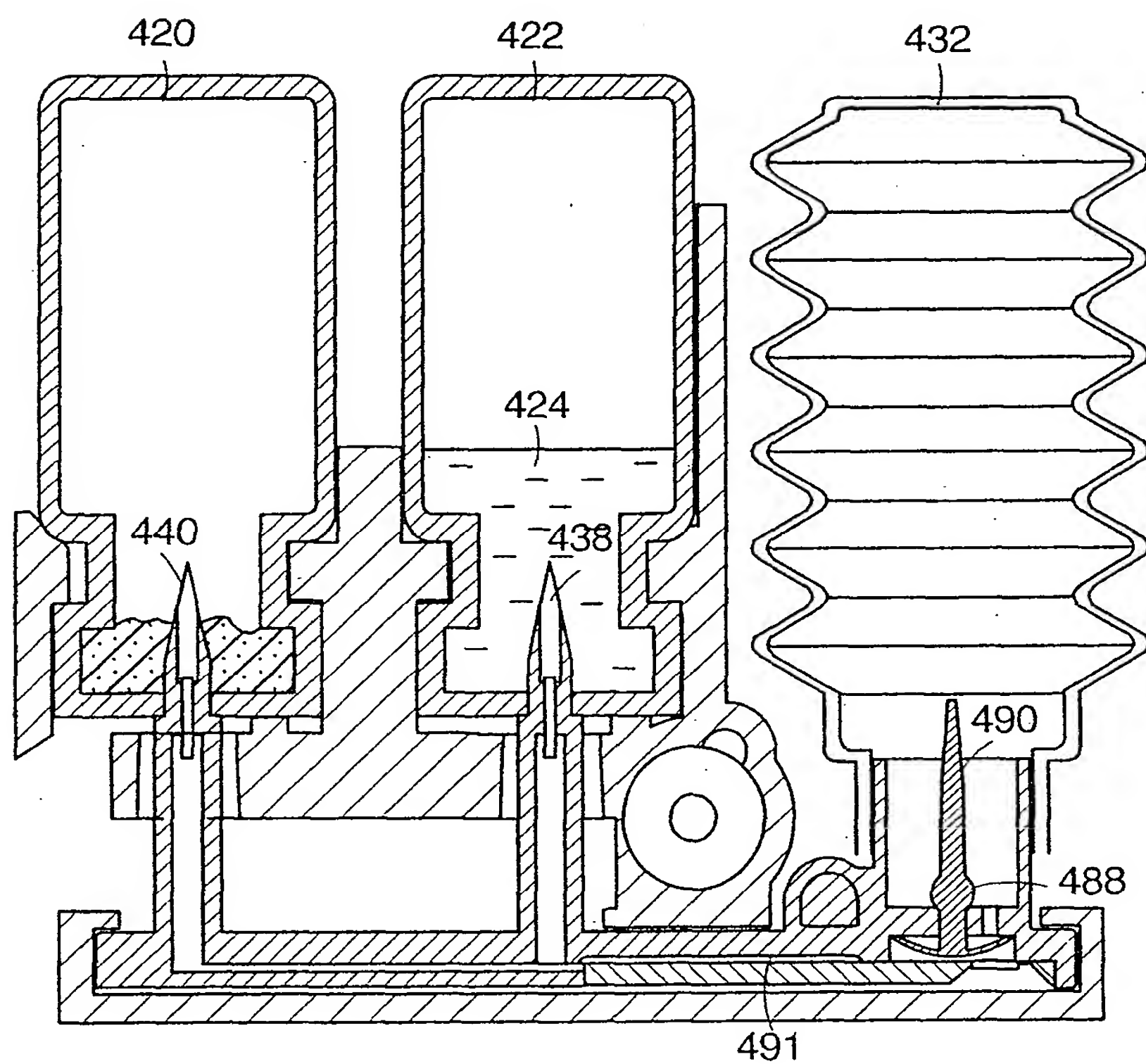


Figure 19E

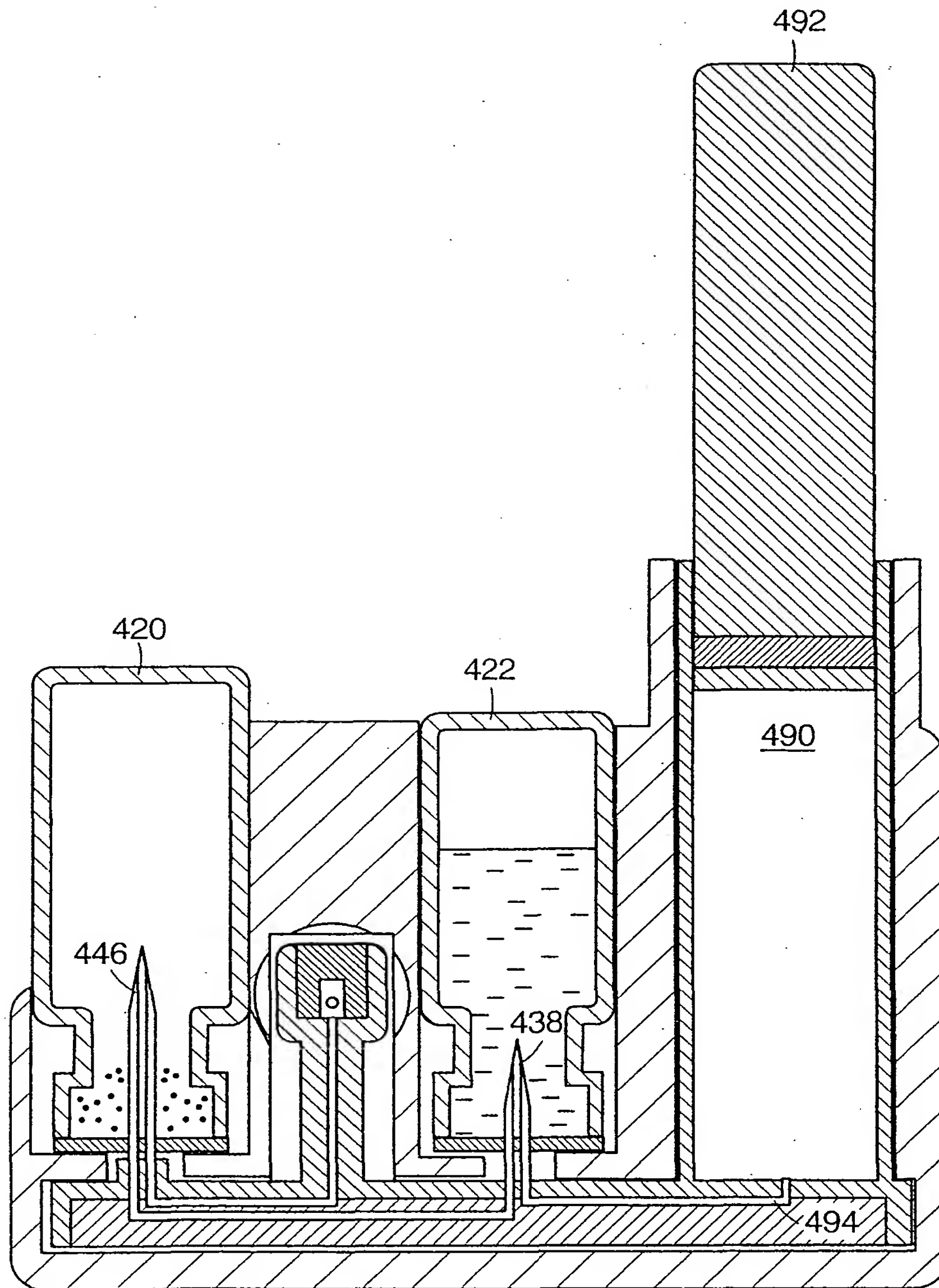


Figure 19F

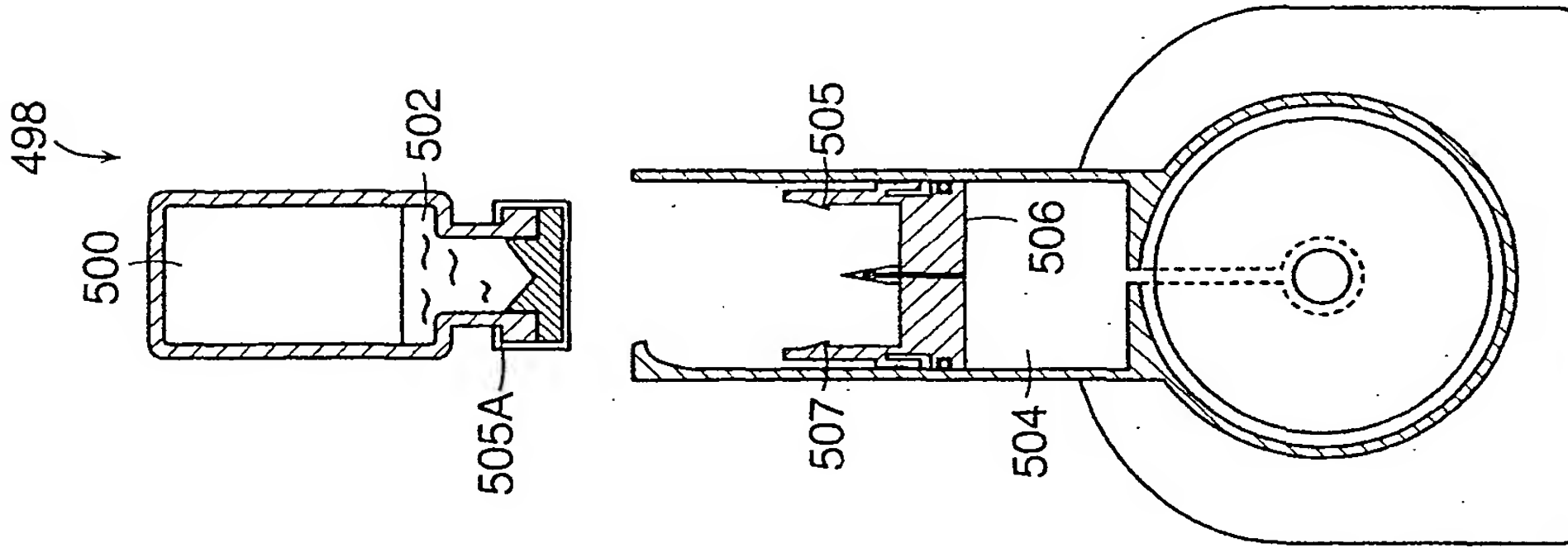


Figure 20A-1

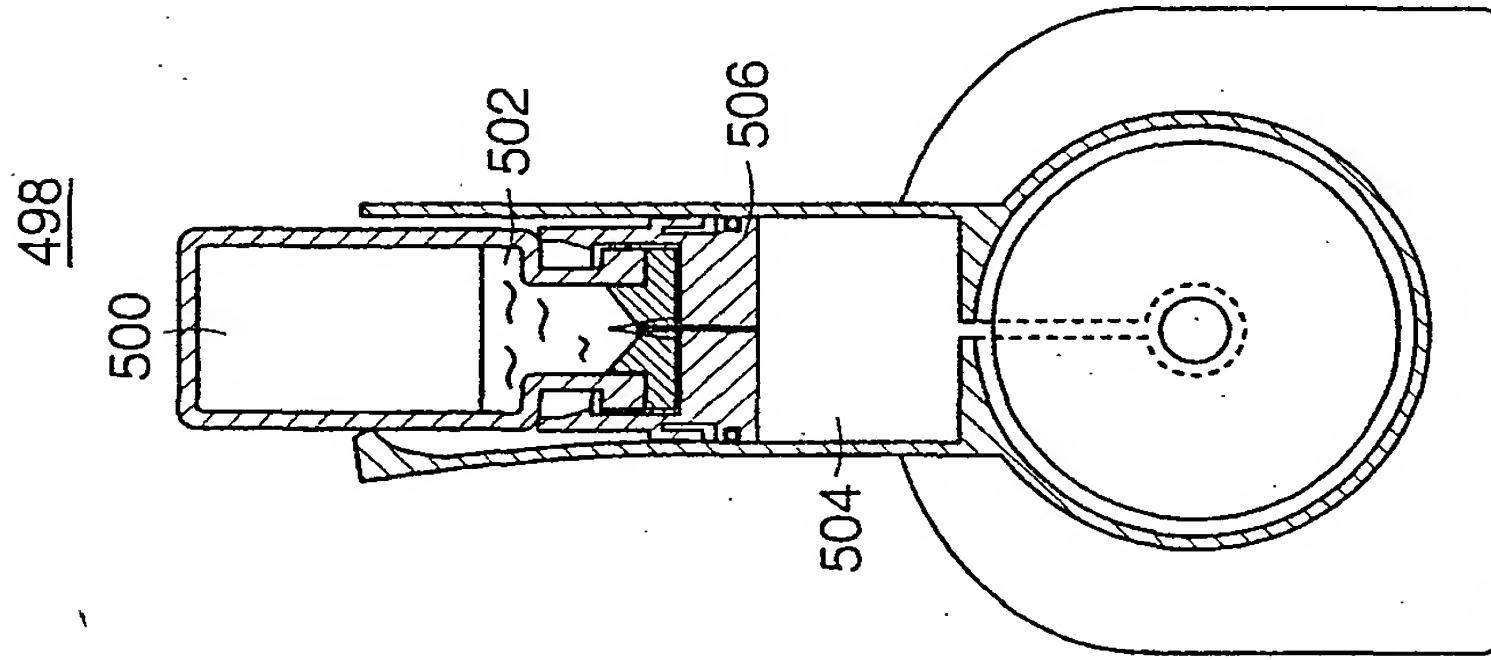


Figure 20A-2

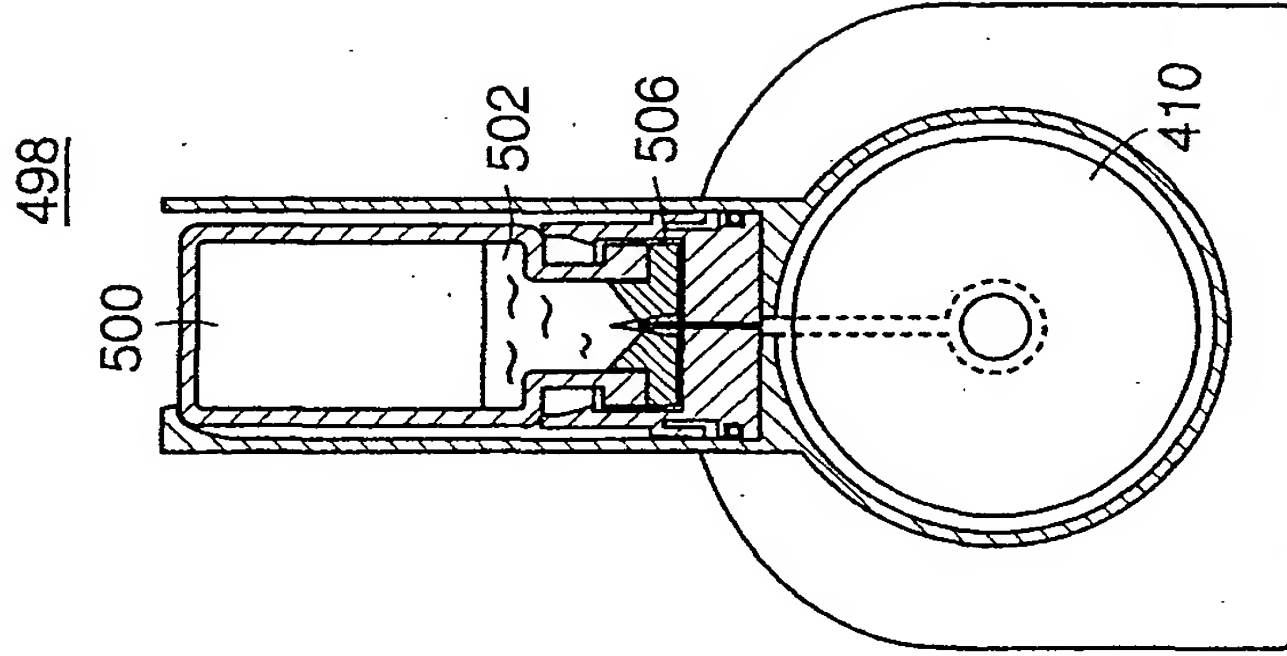


Figure 20A-3

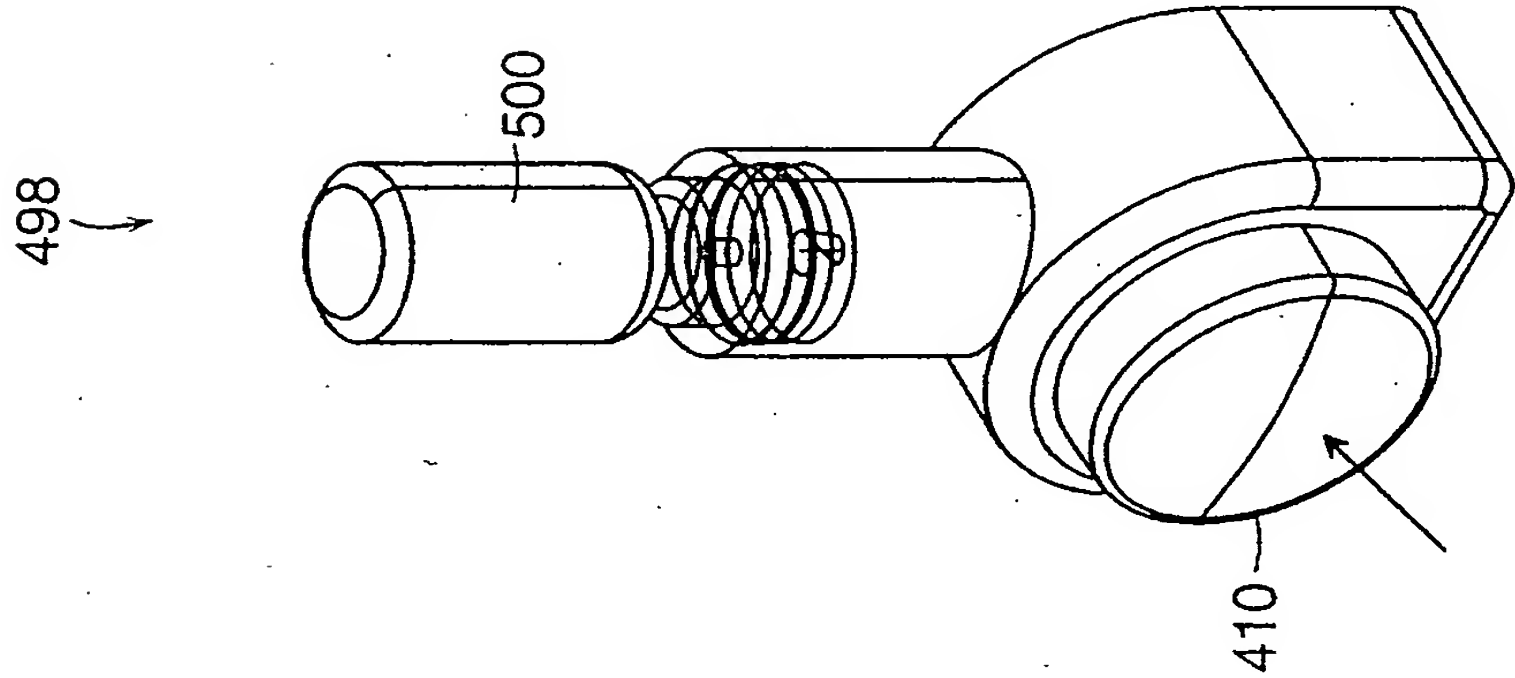


Figure 20B-1

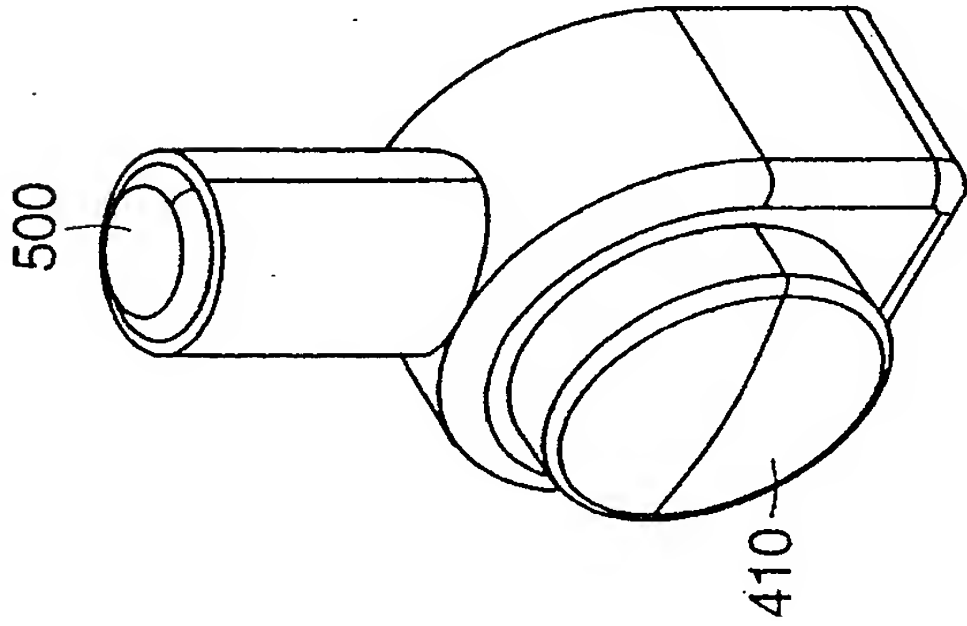


Figure 20B-2

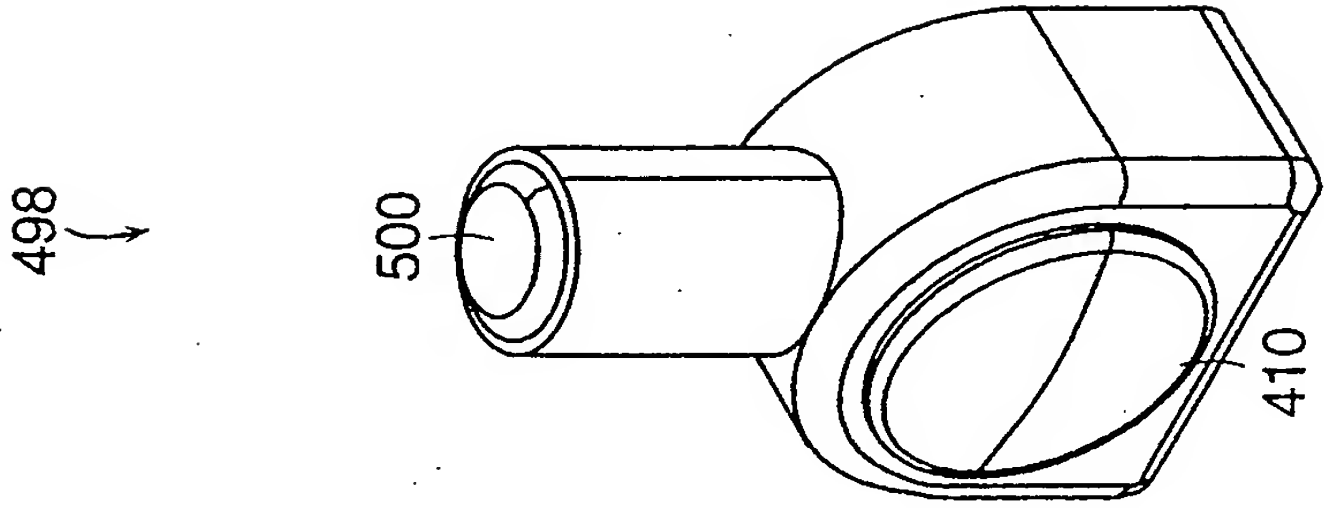


Figure 20B-3

498 ↗

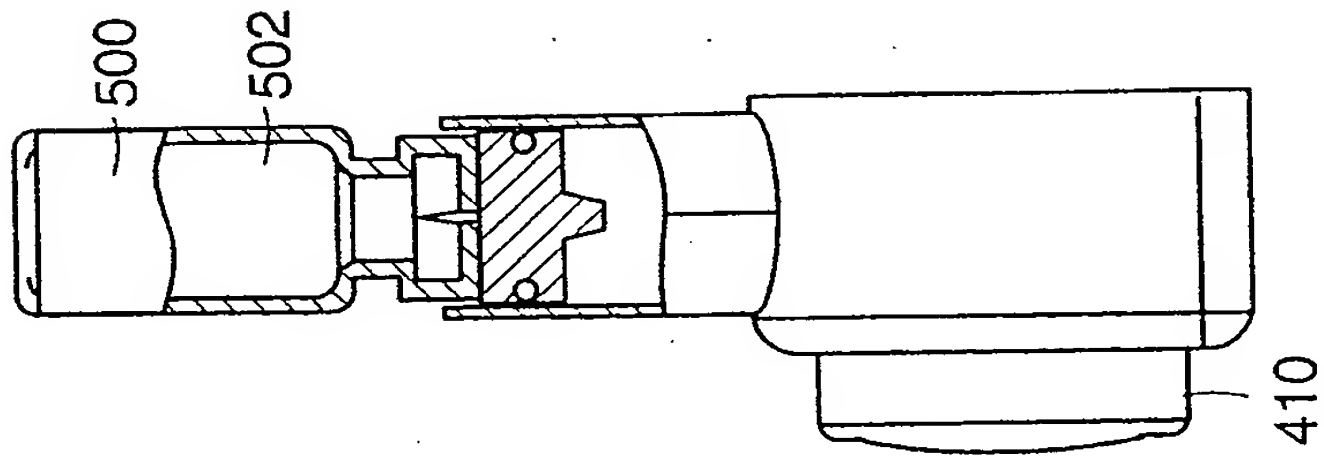


Figure 20C-1

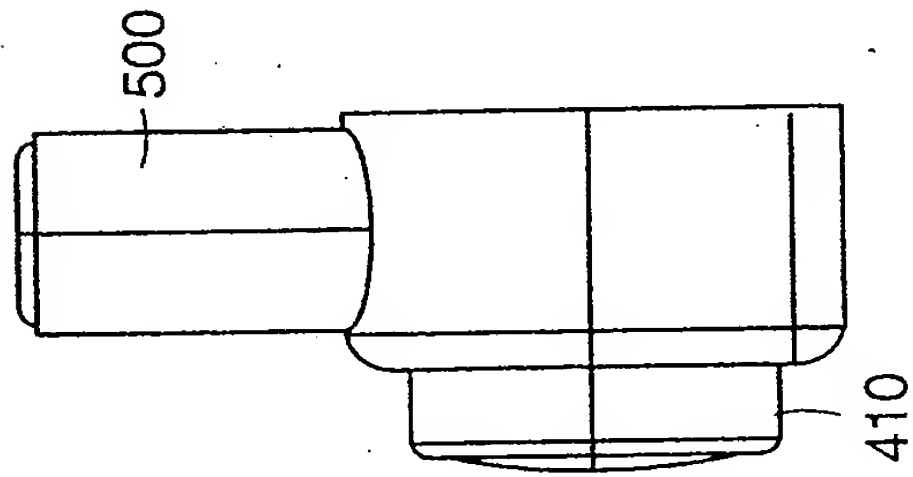


Figure 20C-2

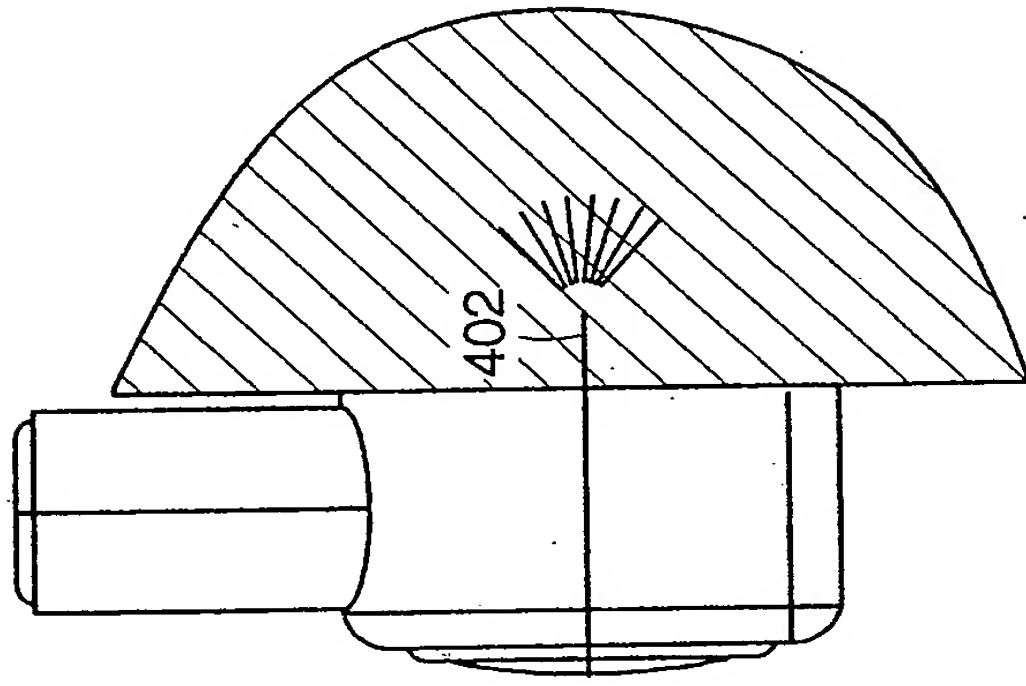


Figure 20C-3

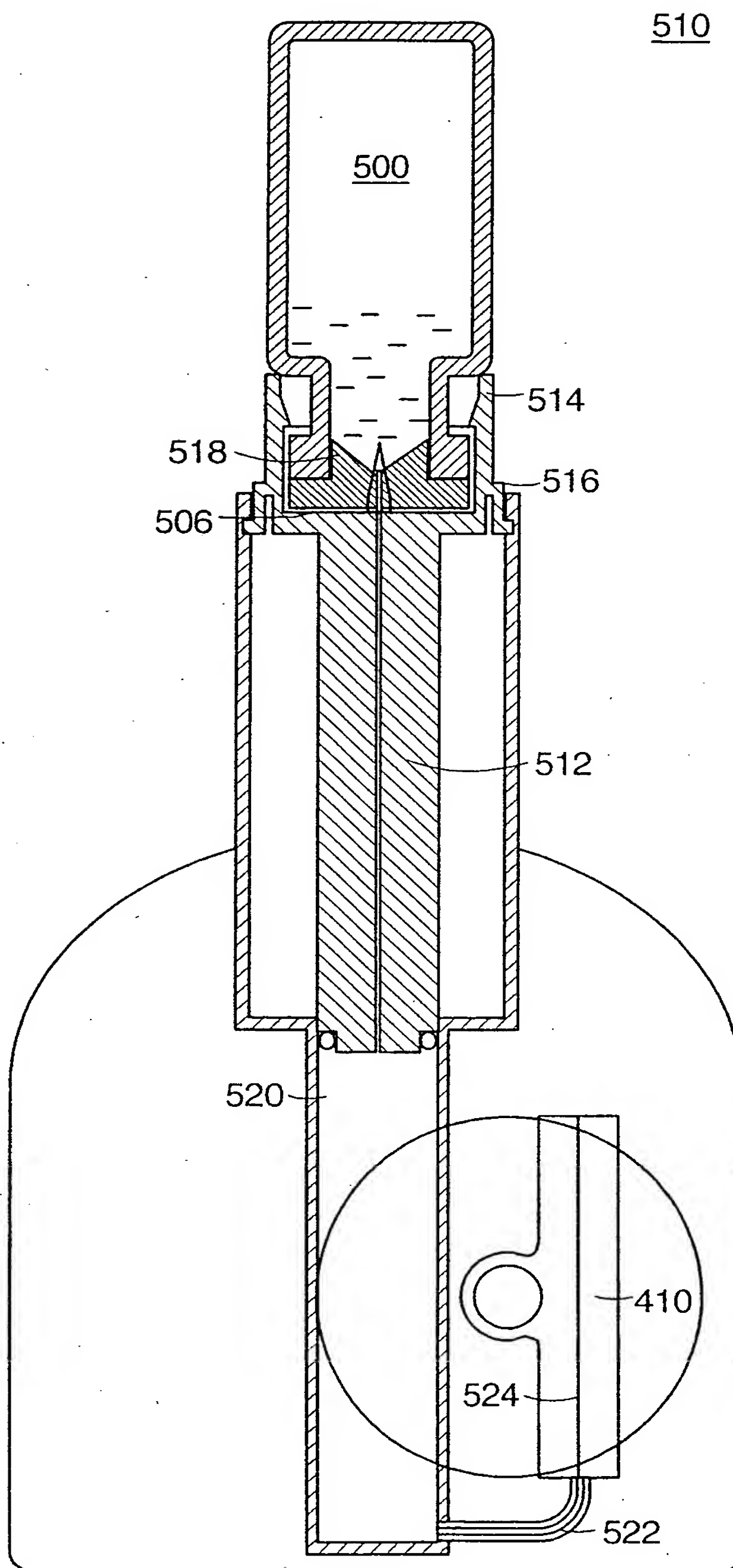


Figure 21

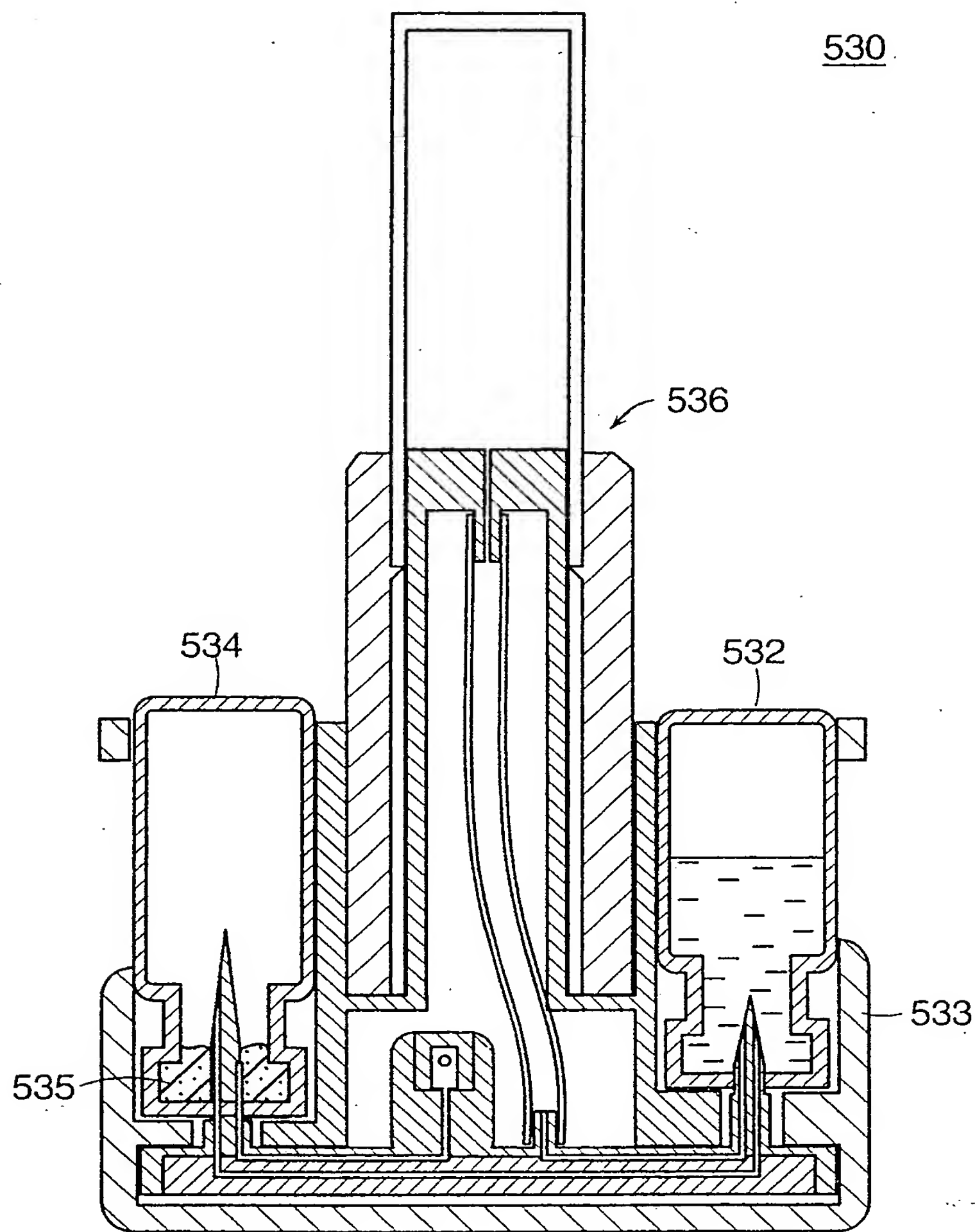


Figure 22A

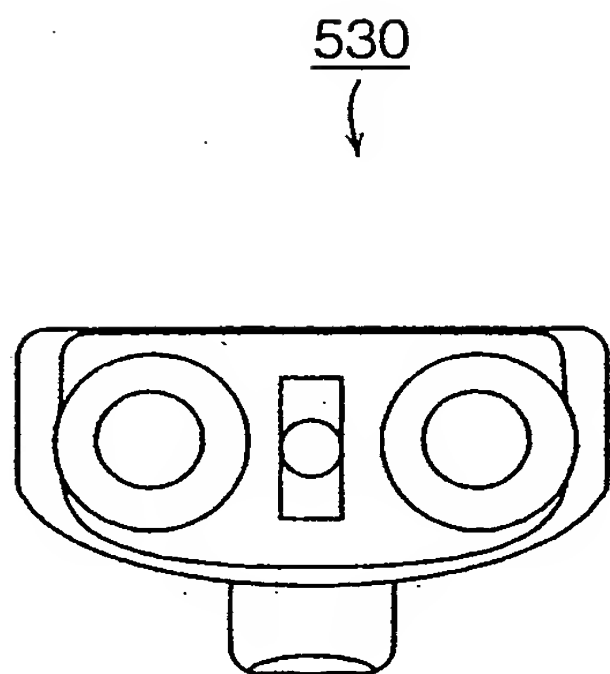


Figure 22B

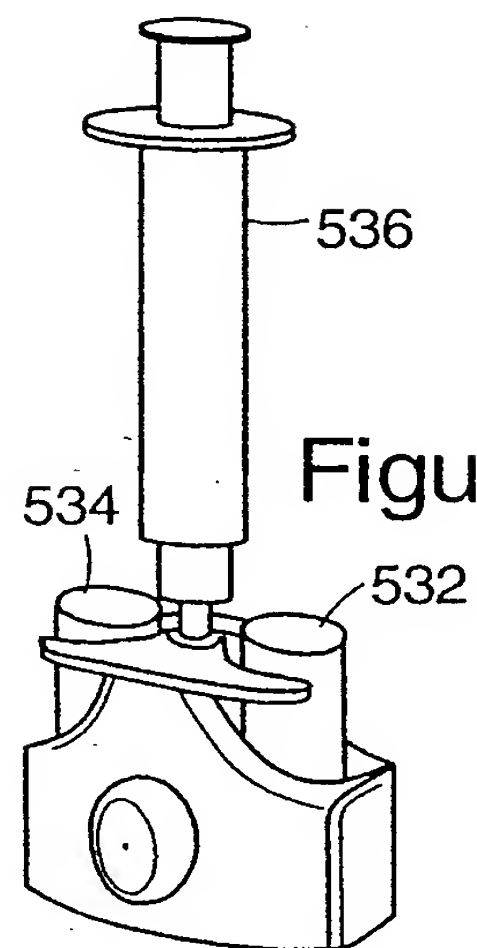


Figure 22C

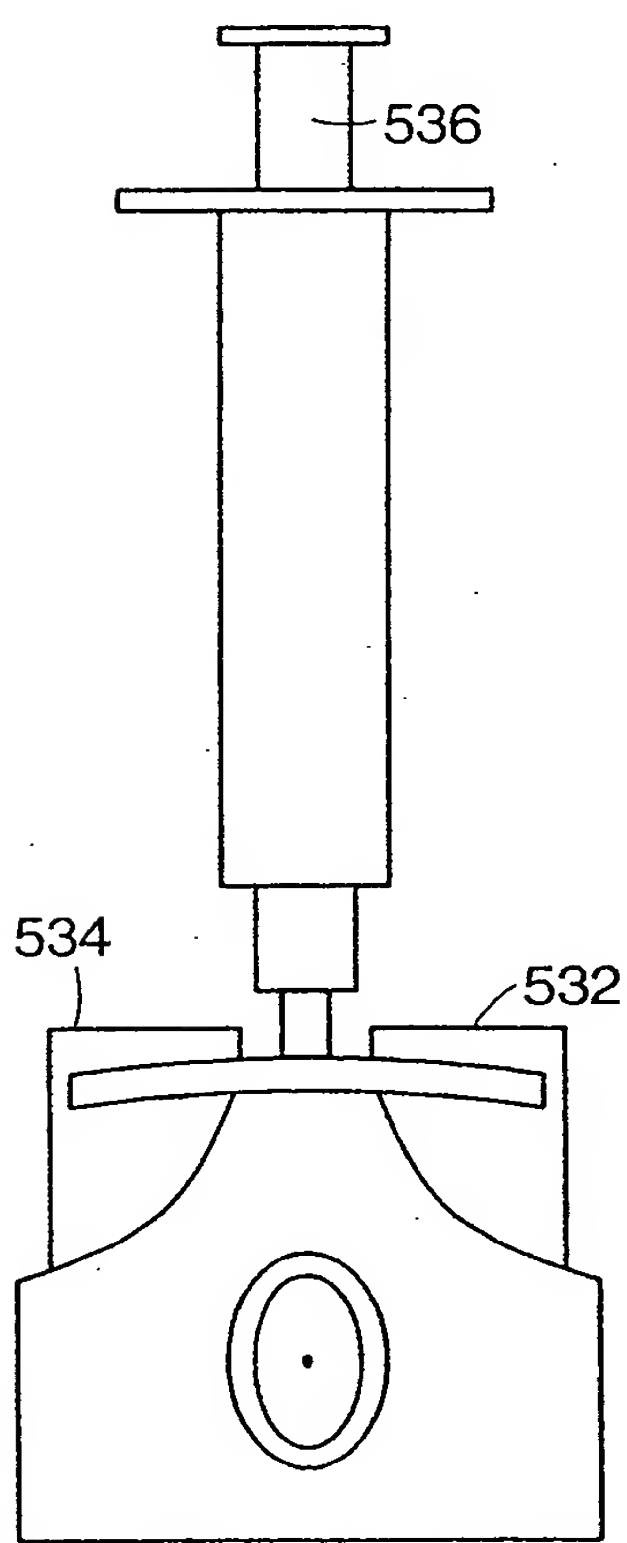


Figure 22D

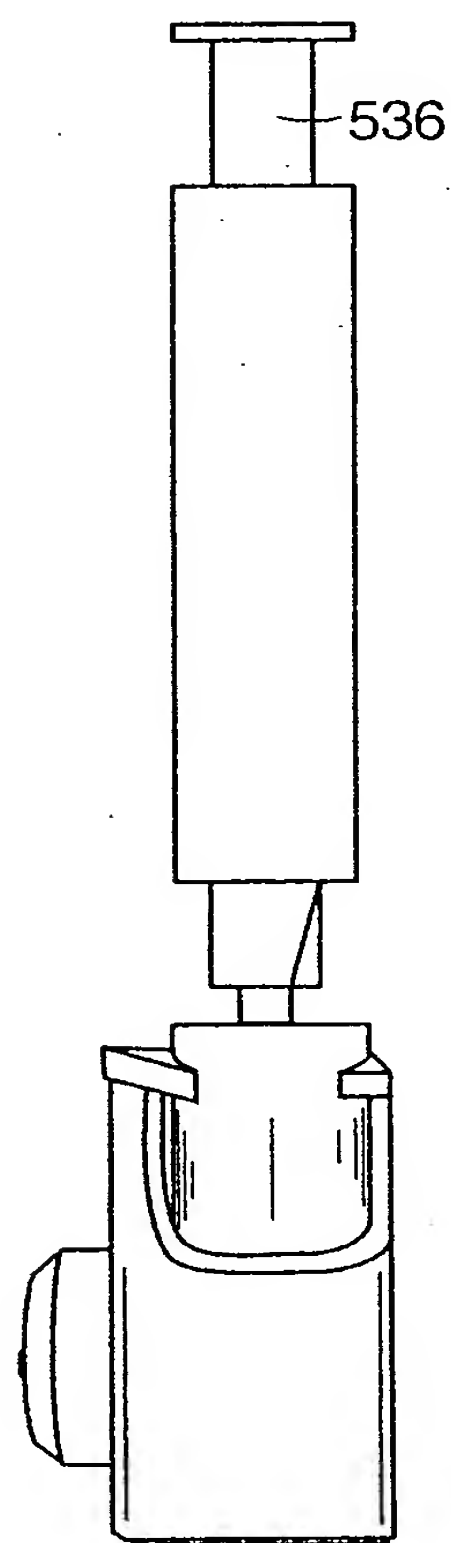


Figure 22E

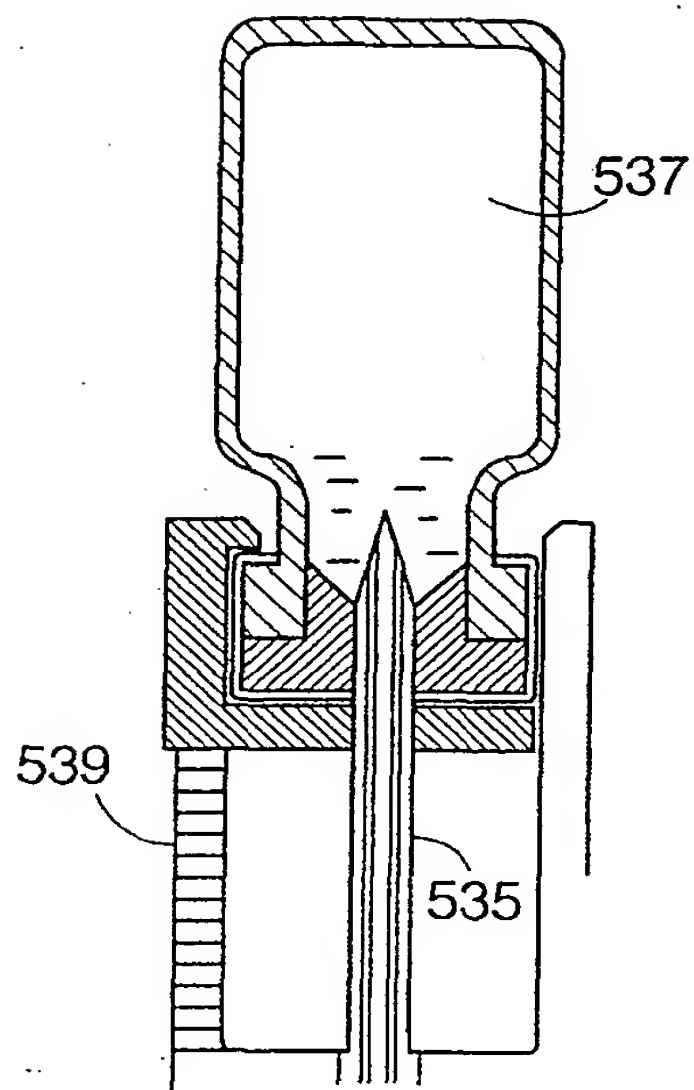


Figure 23A

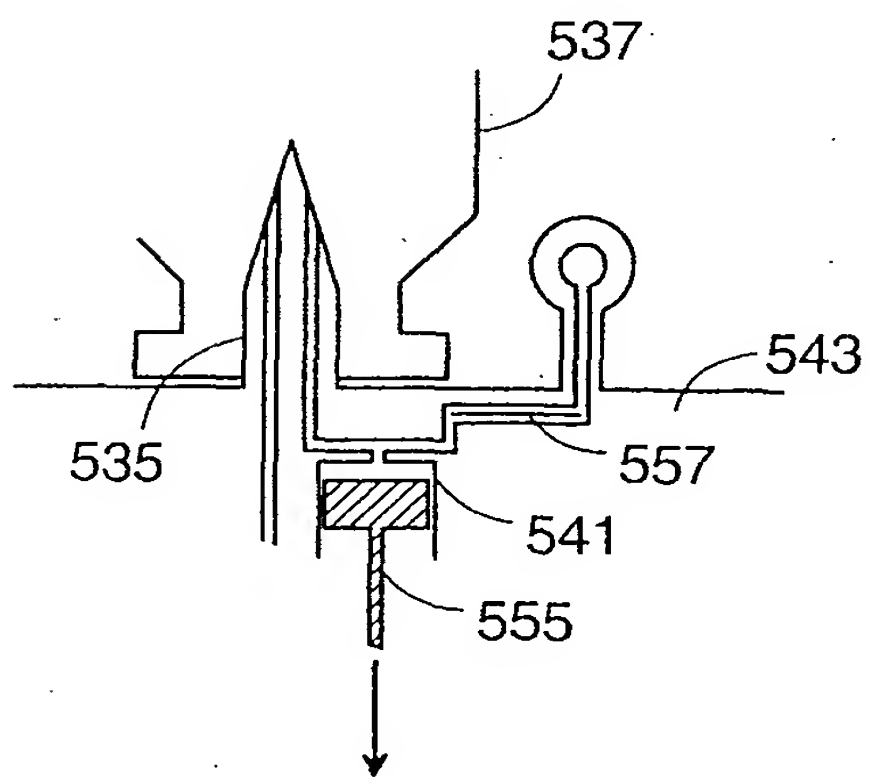


Figure 23B

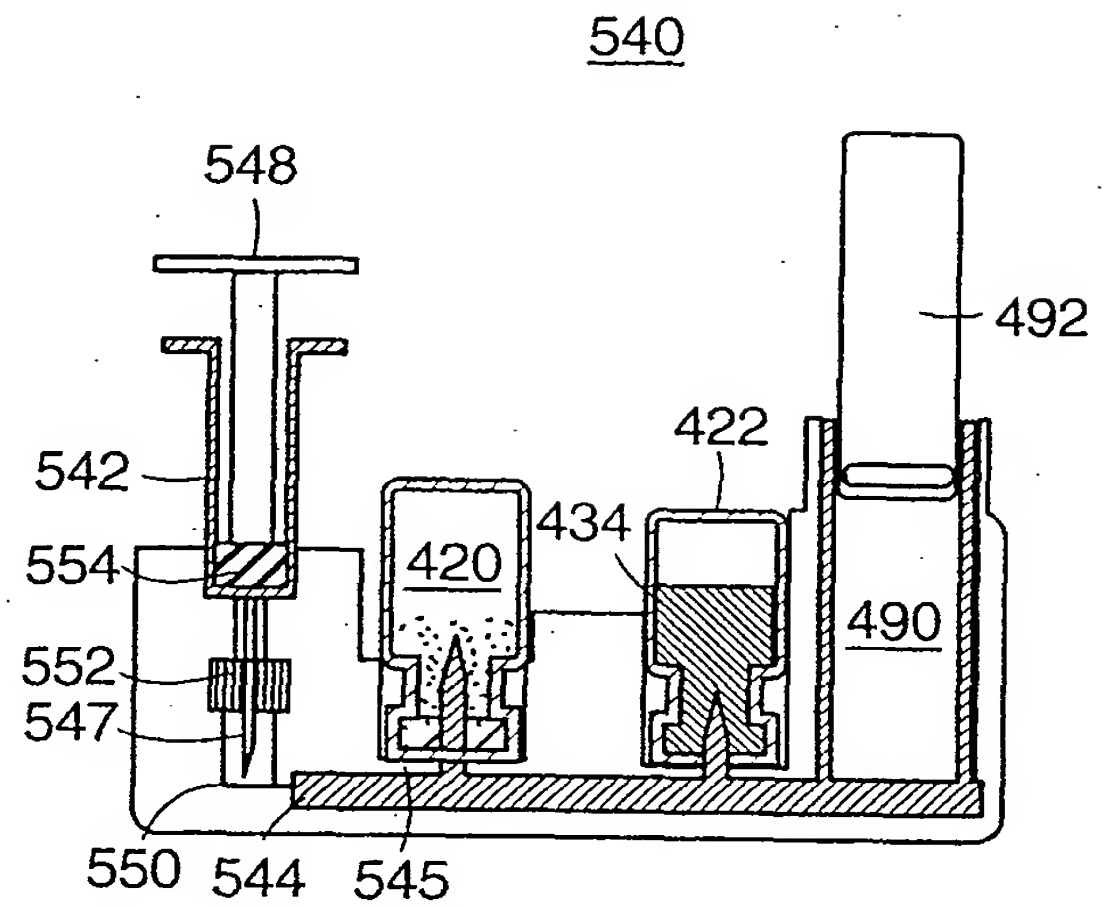


Figure 24A

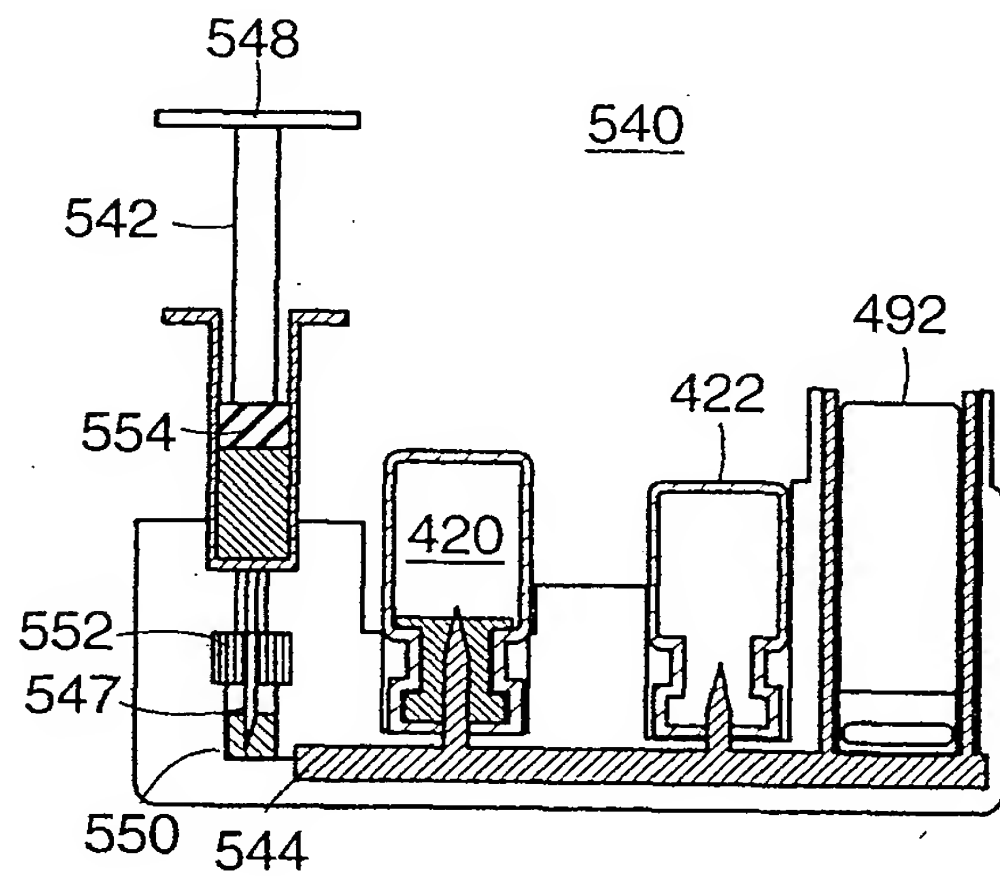


Figure 24B

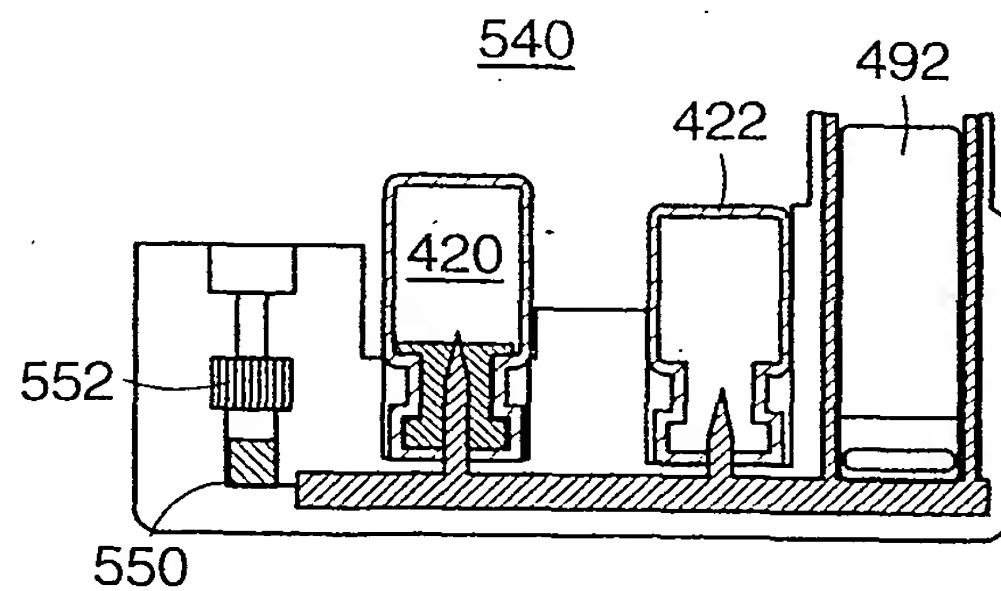


Figure 24C

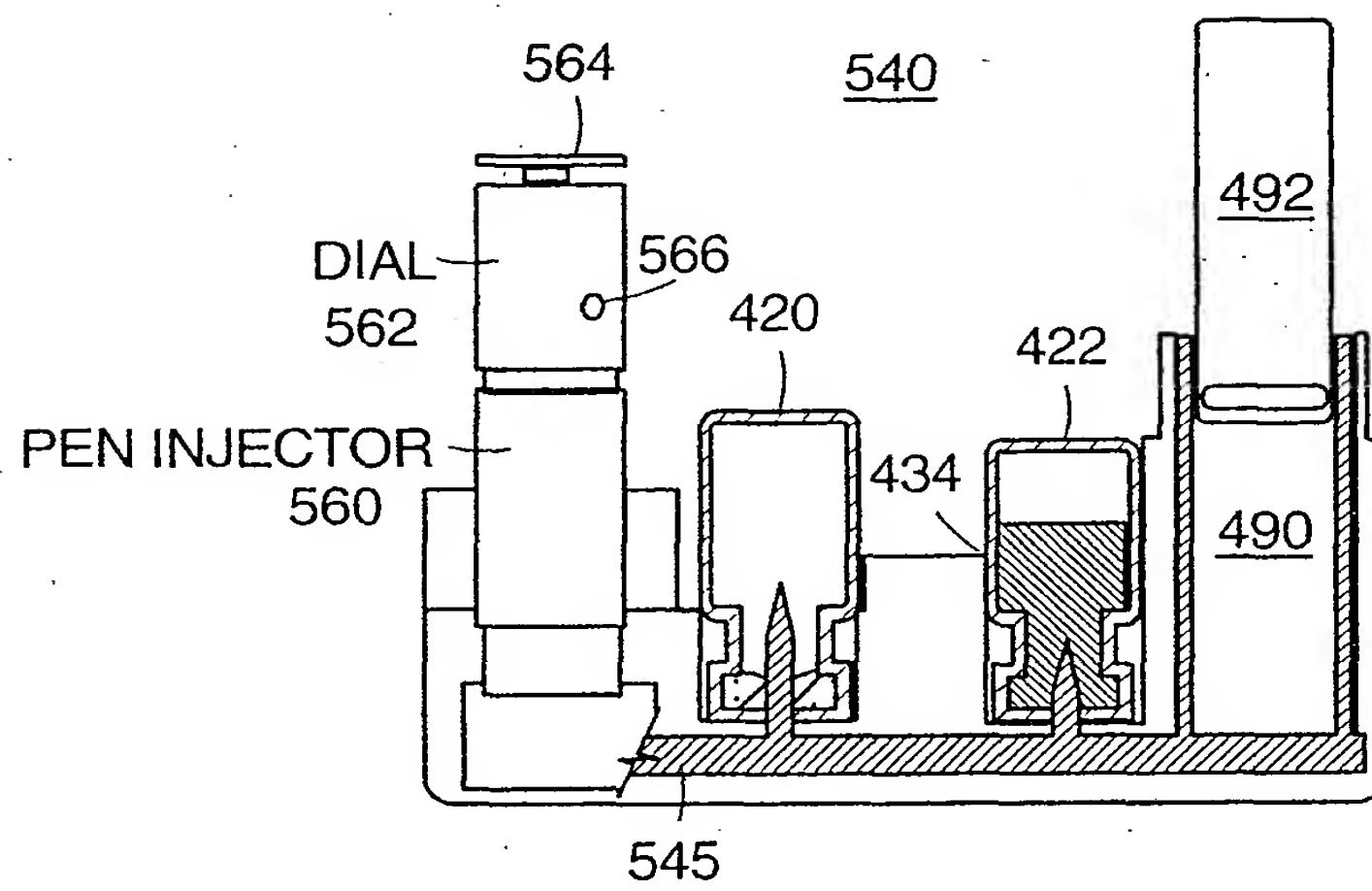


Figure 25

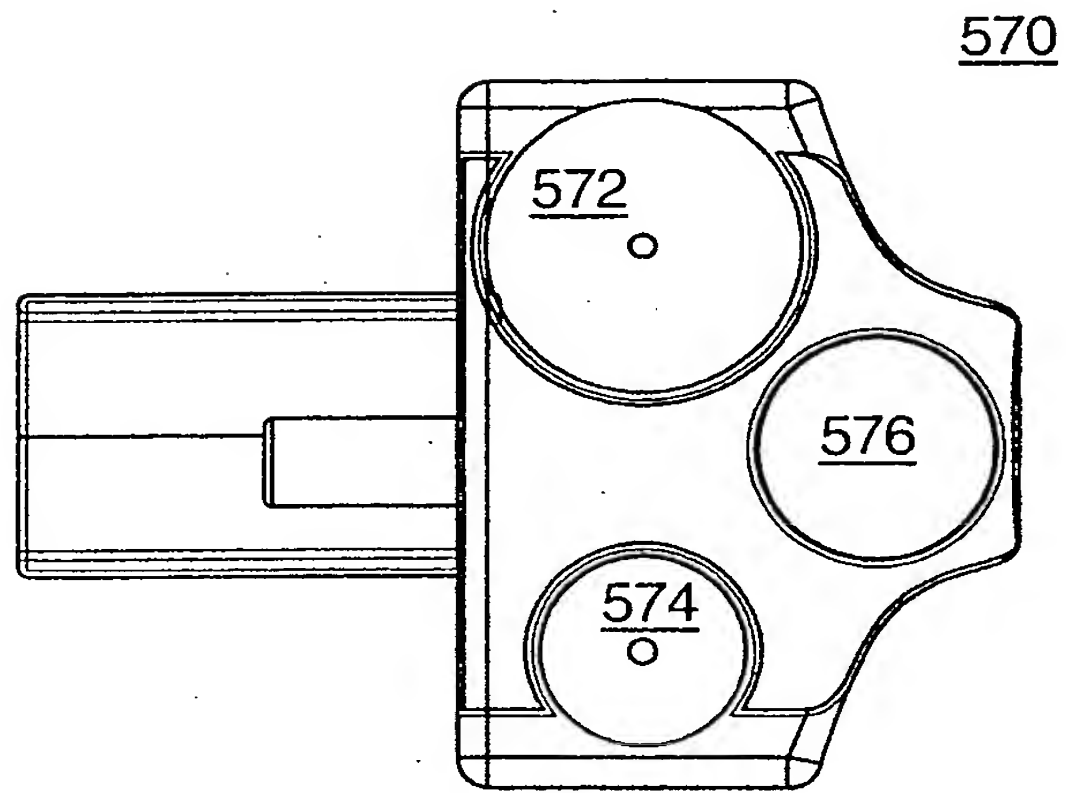


Figure 26A

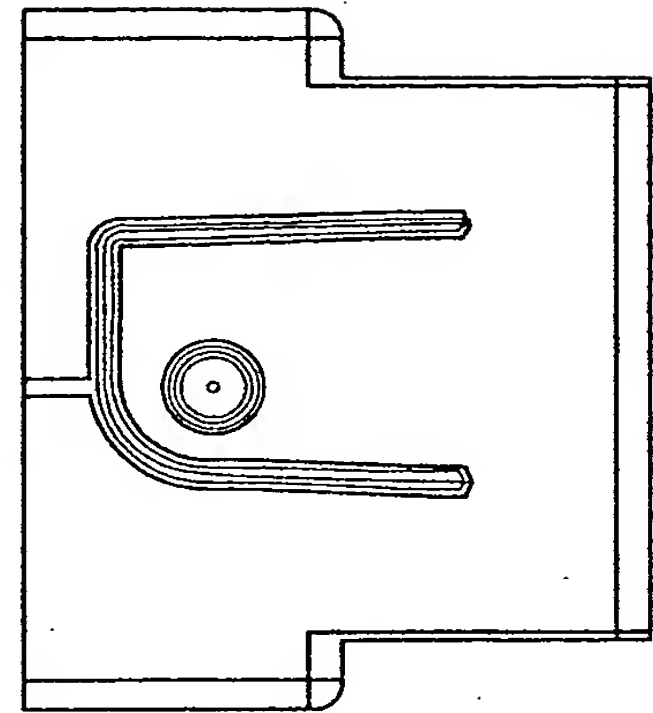


Figure 26B

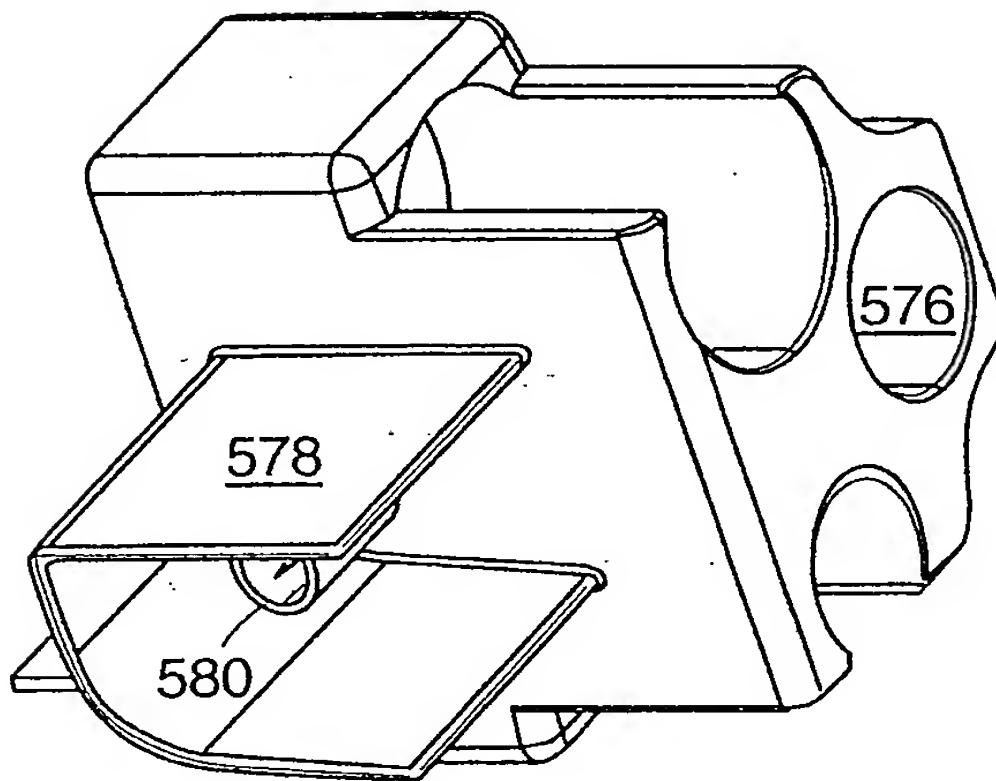


Figure 26C

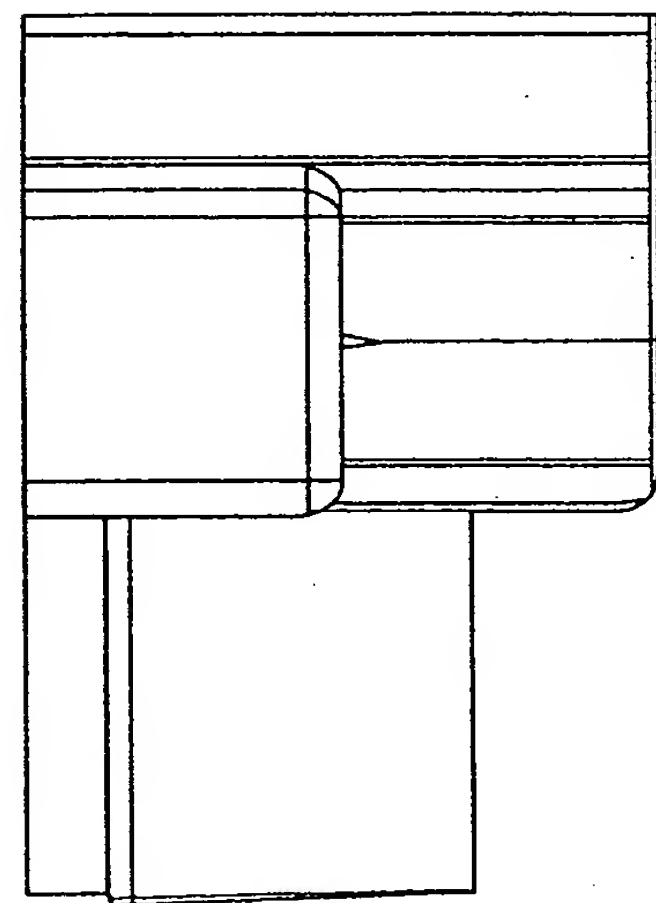


Figure 26D

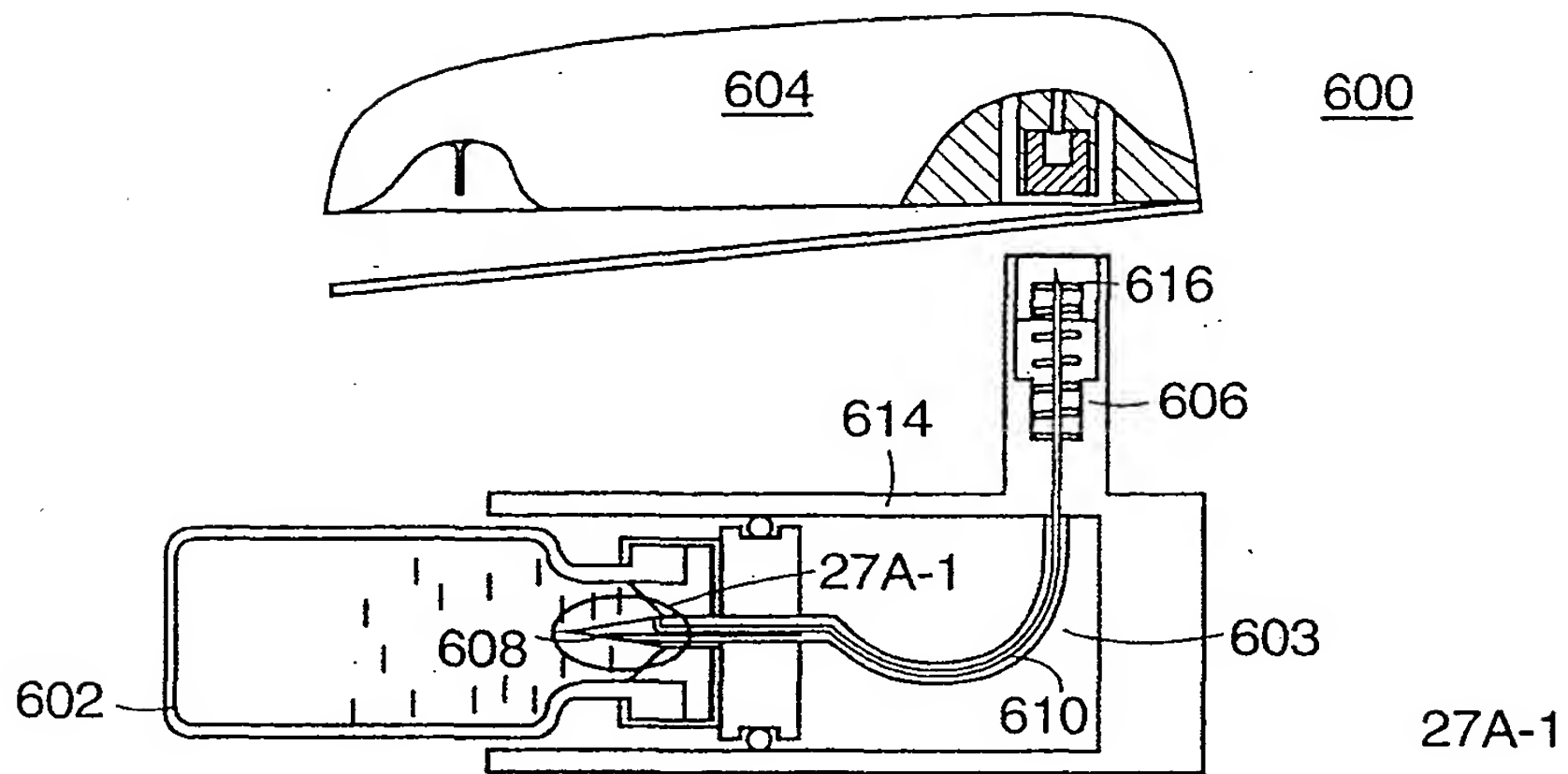


Figure 27A

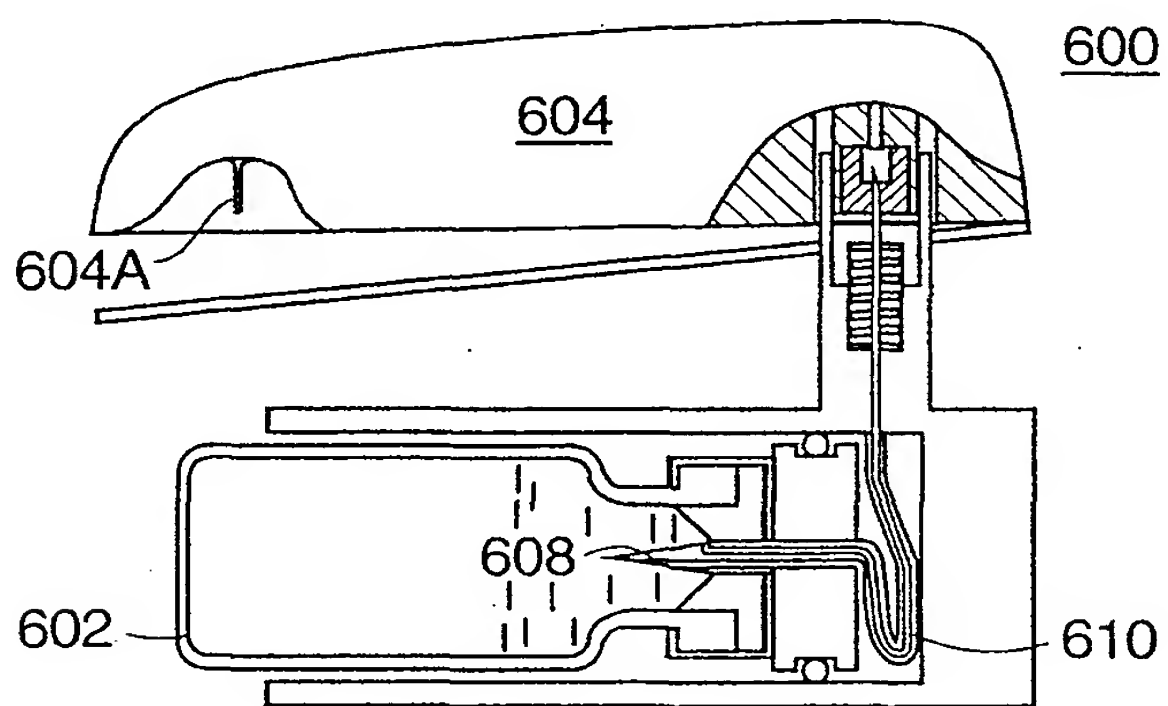


Figure 27B

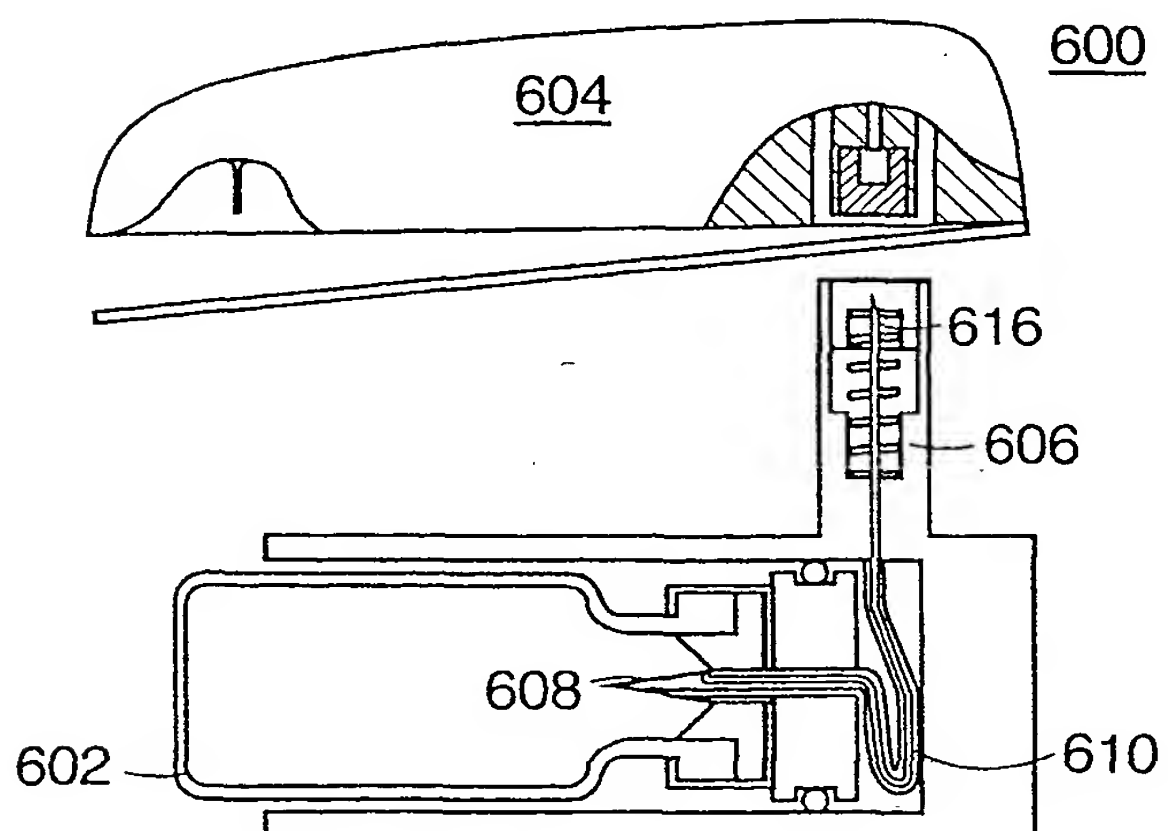


Figure 27C

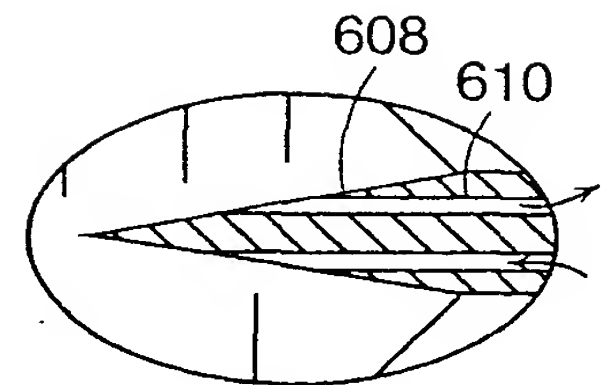


Figure 27A-1

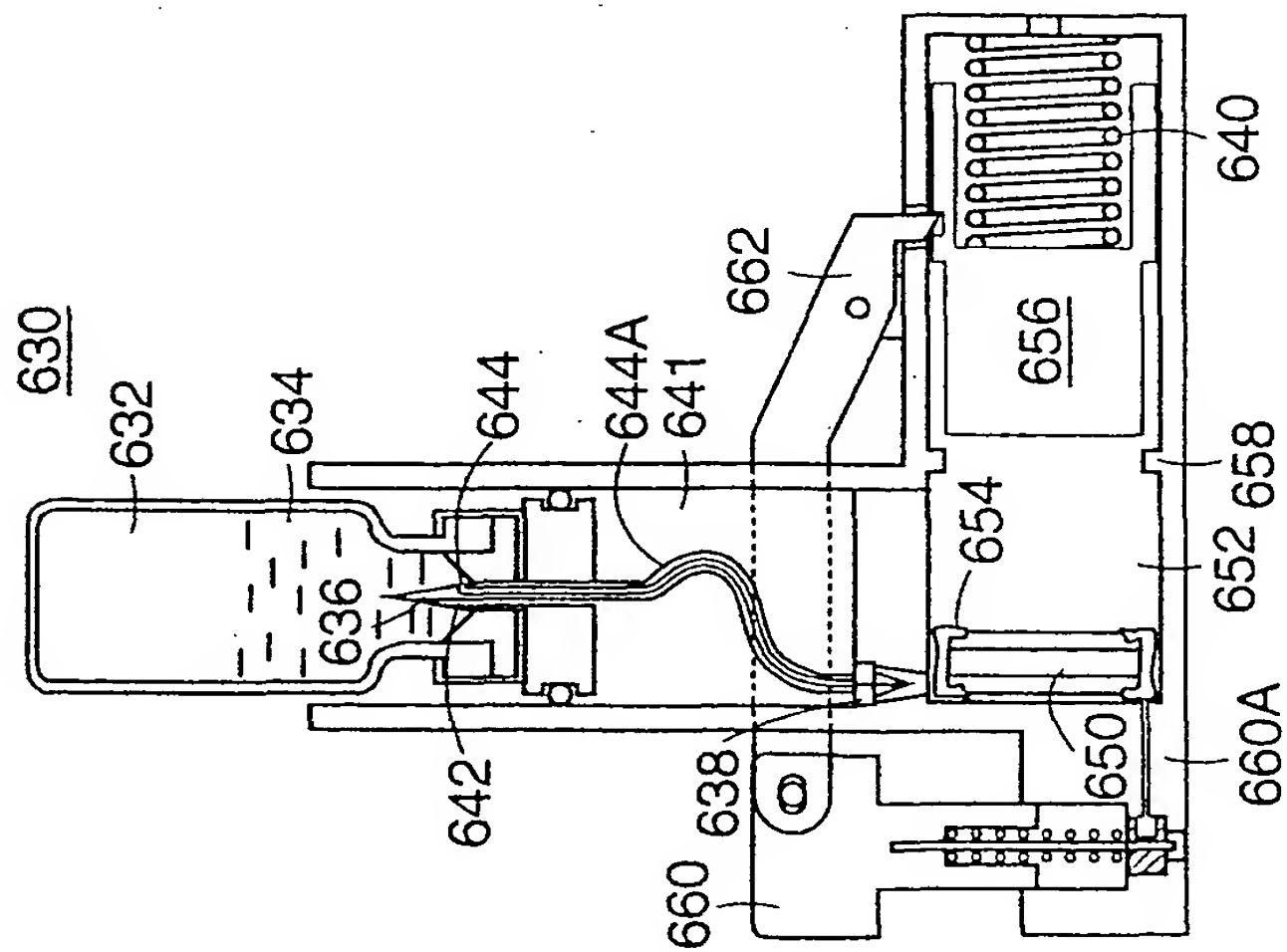


Figure 28A

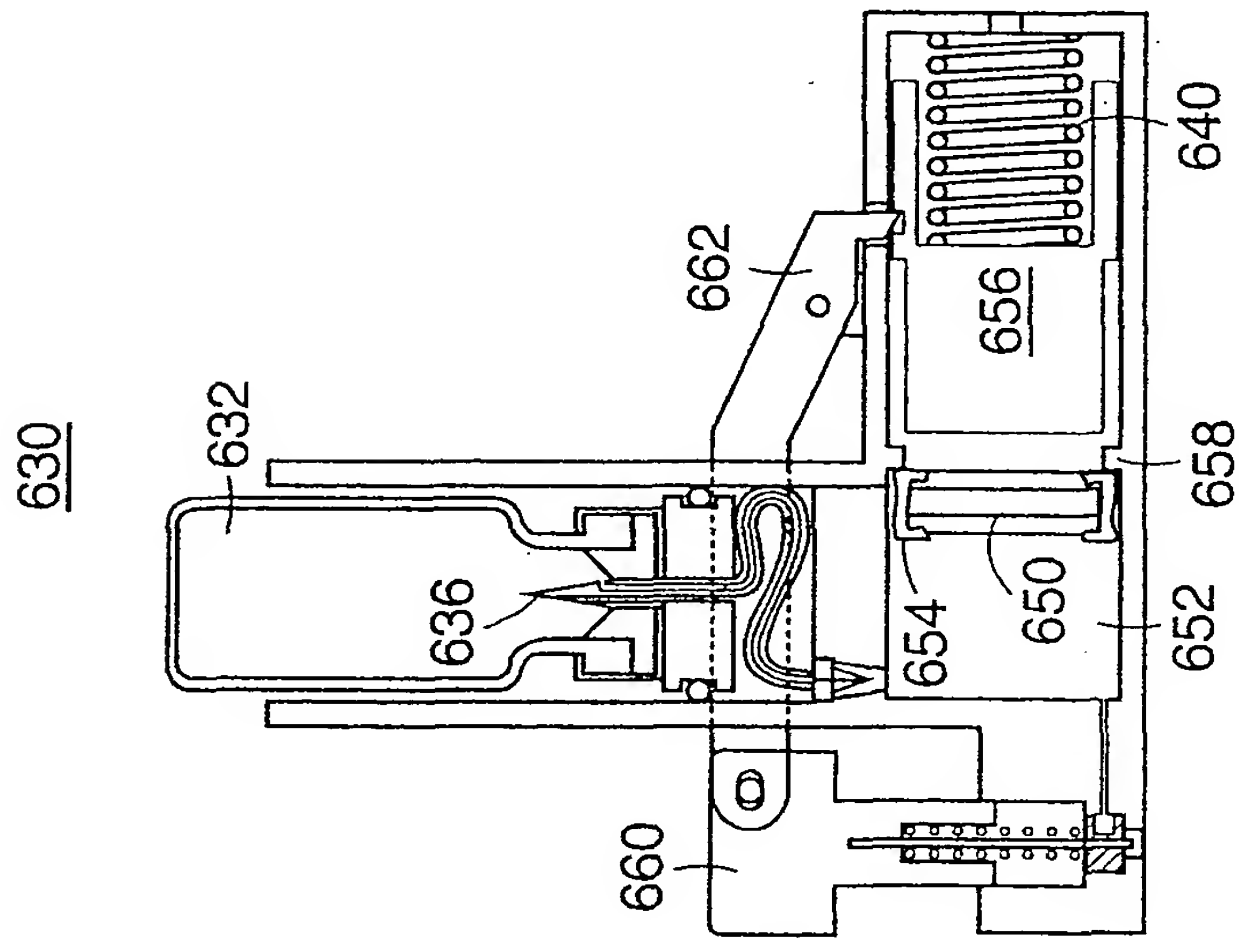


Figure 28B

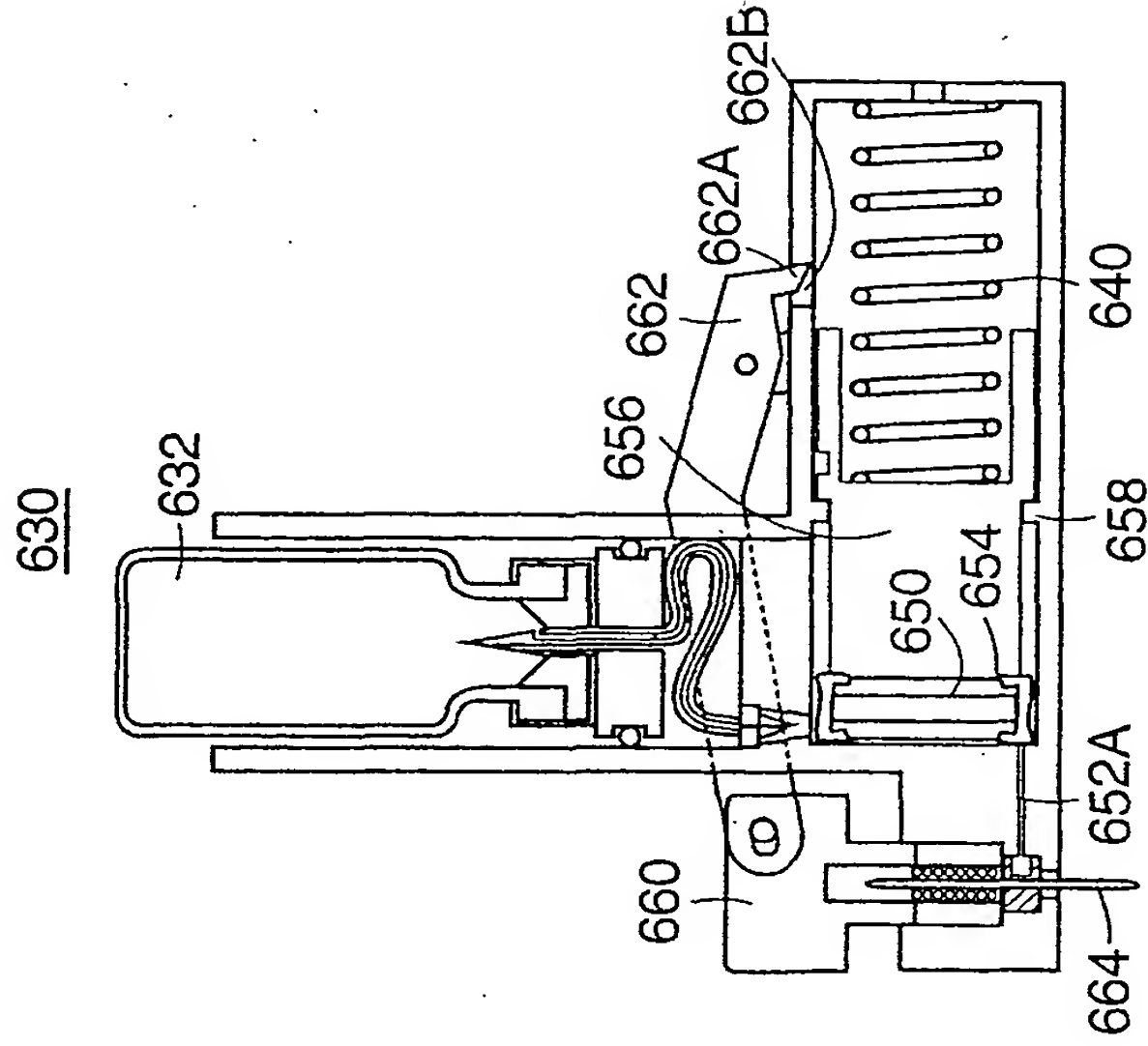


Figure 28C

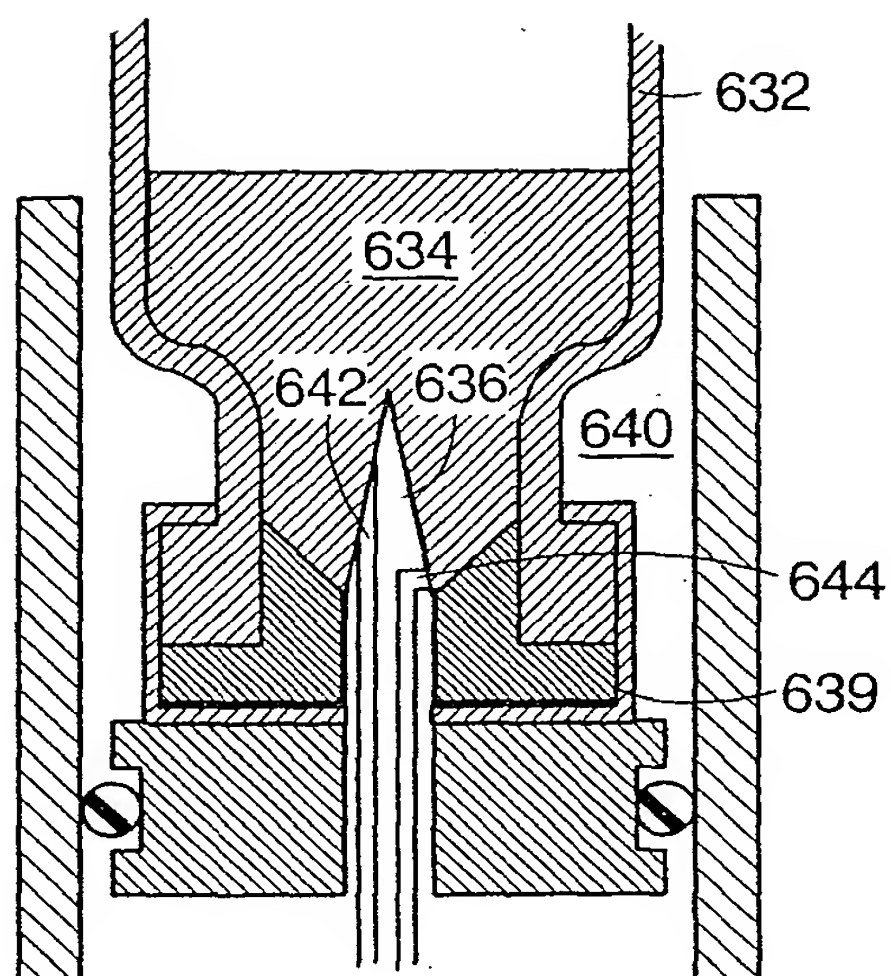


Figure 28D

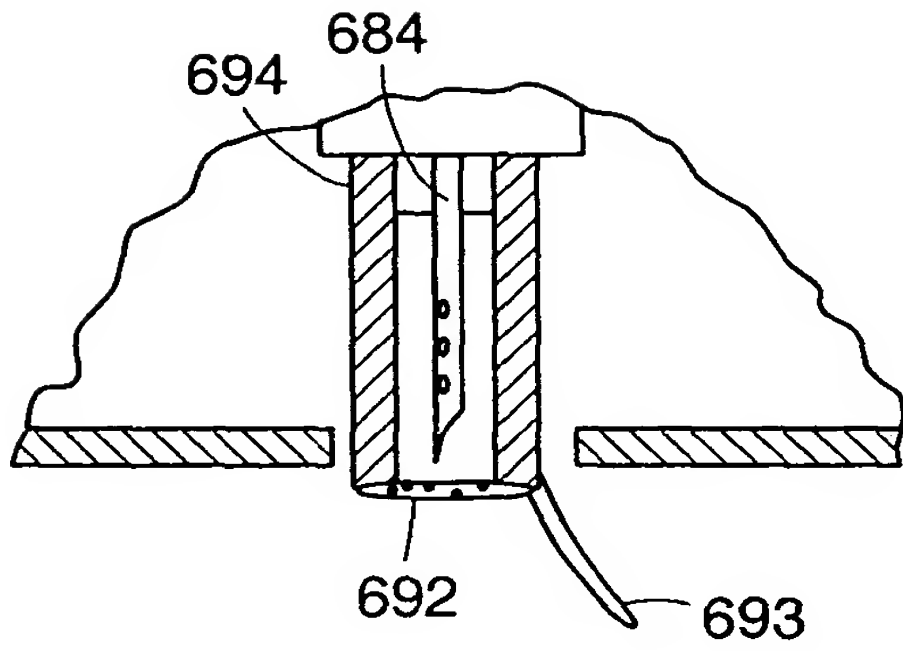


Figure 29A-1

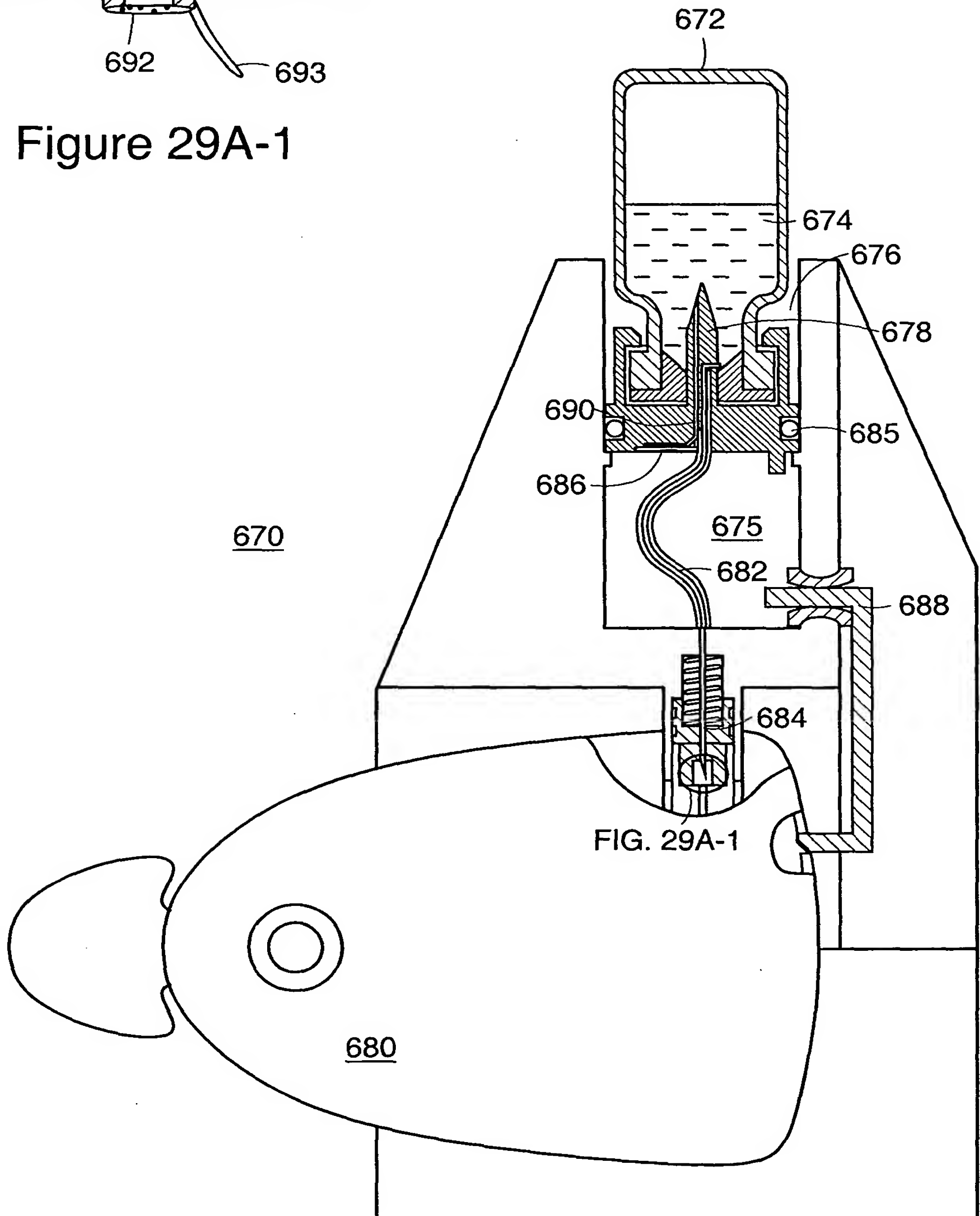


Figure 29A

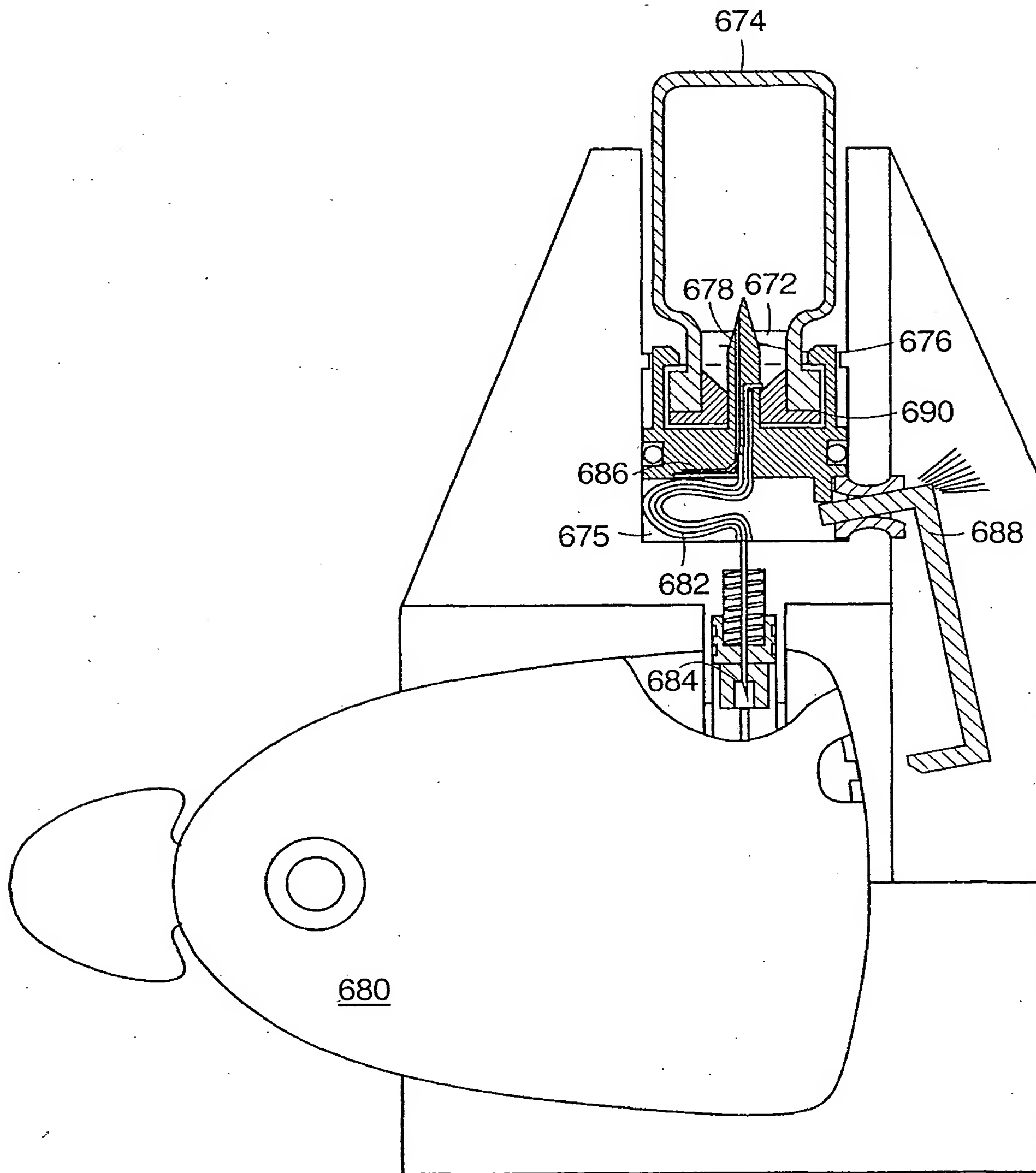


Figure 29B

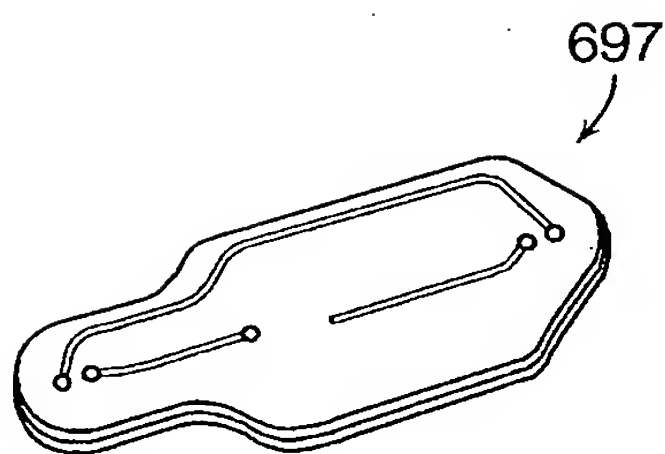


Figure 30B

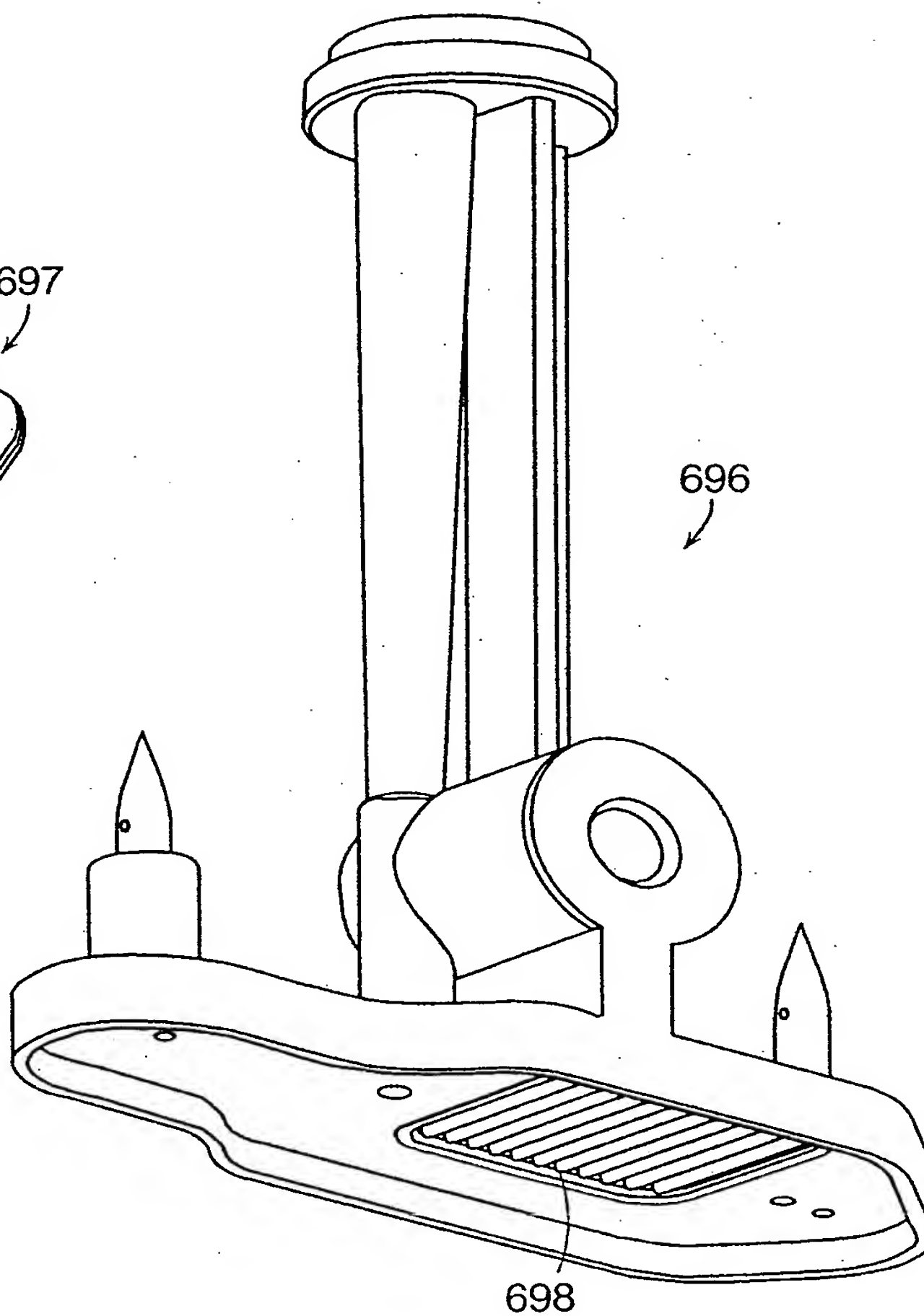


Figure 30A

Figure 31A

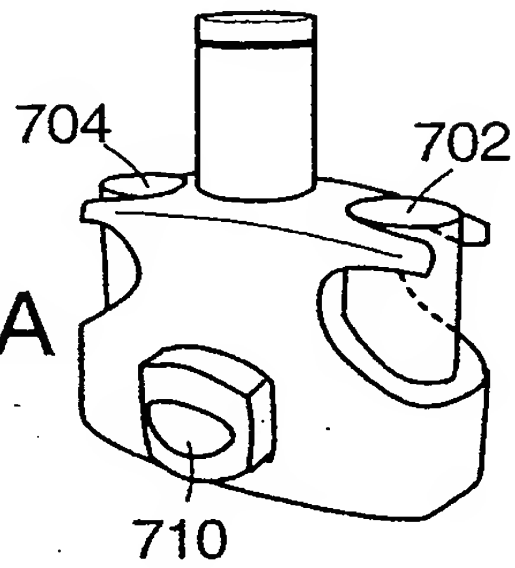


Figure 31B

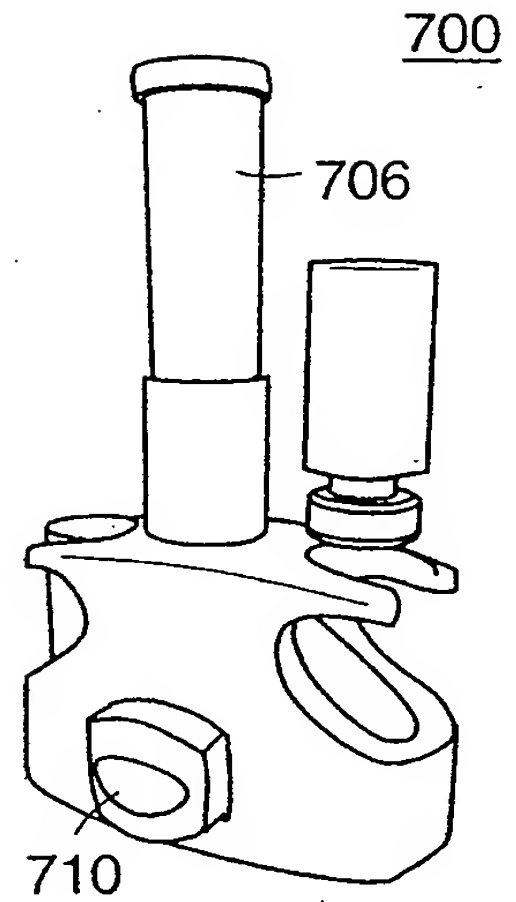


Figure 31C

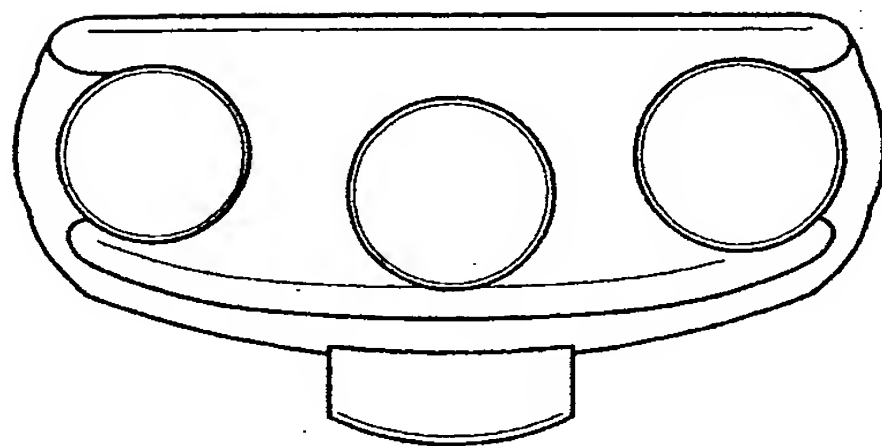


Figure 31D

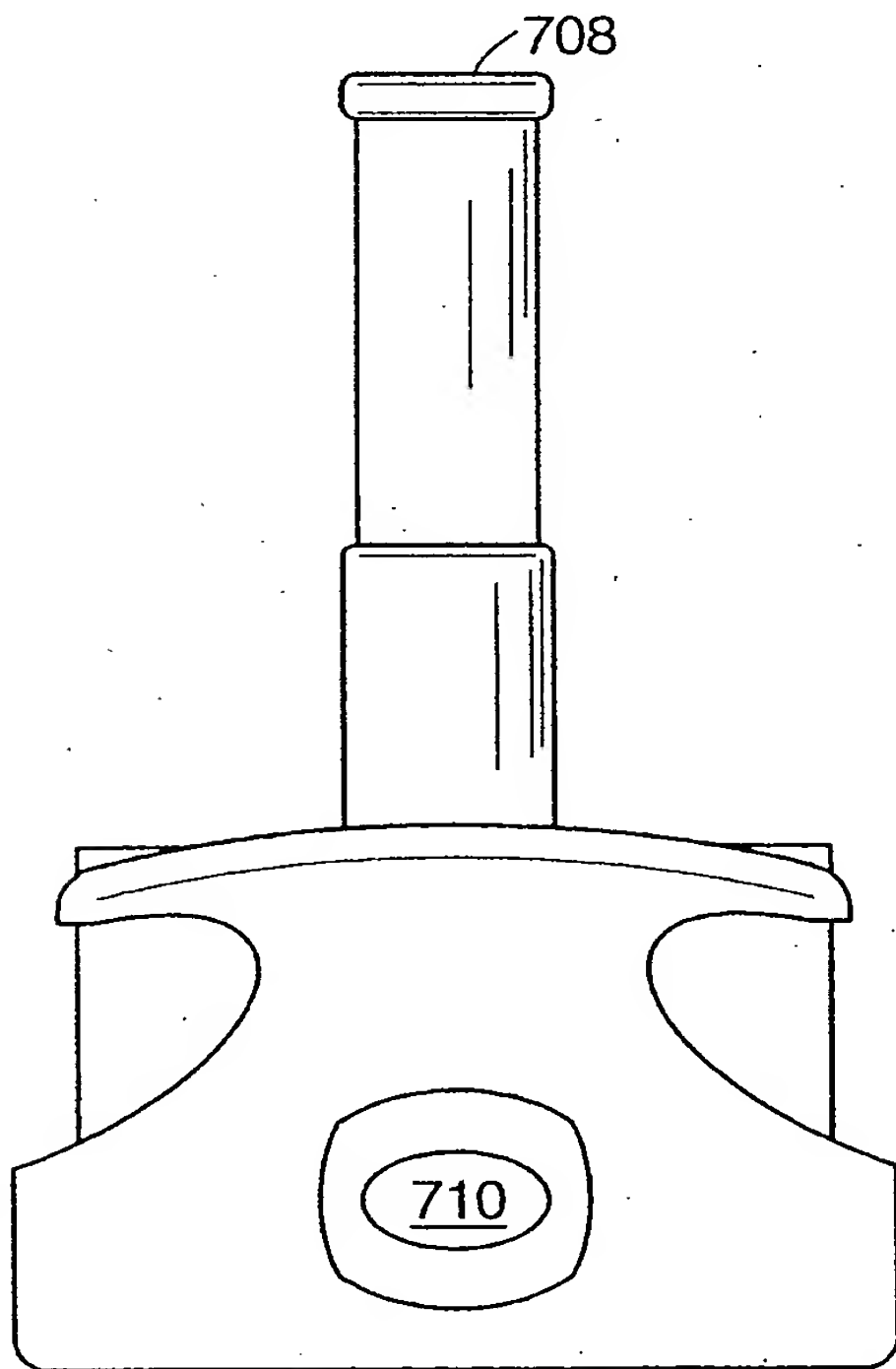
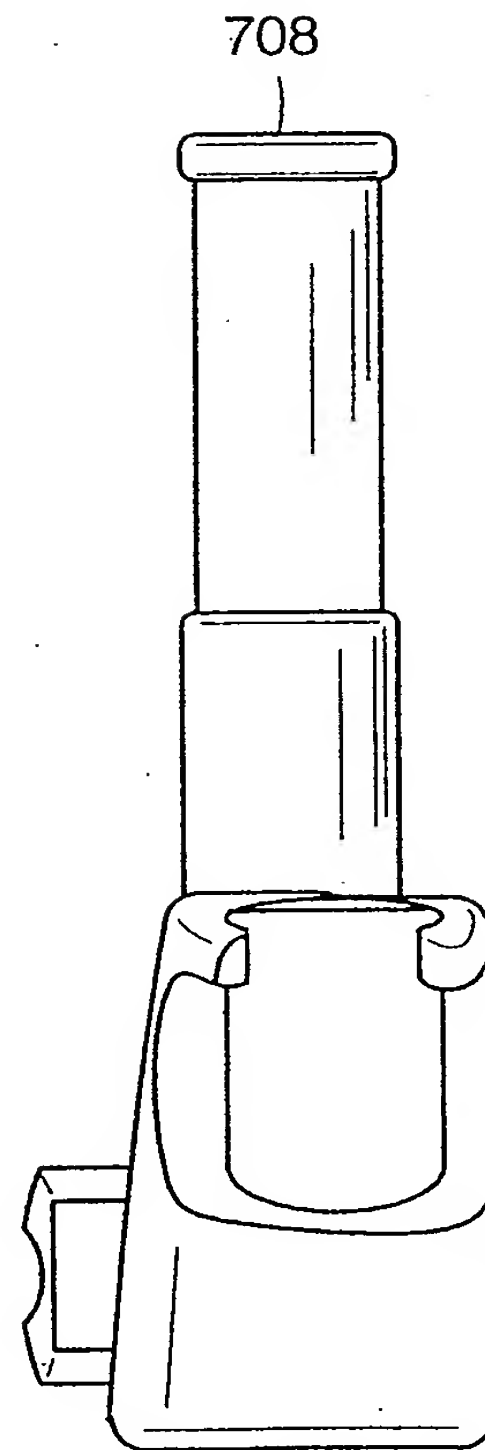


Figure 31E



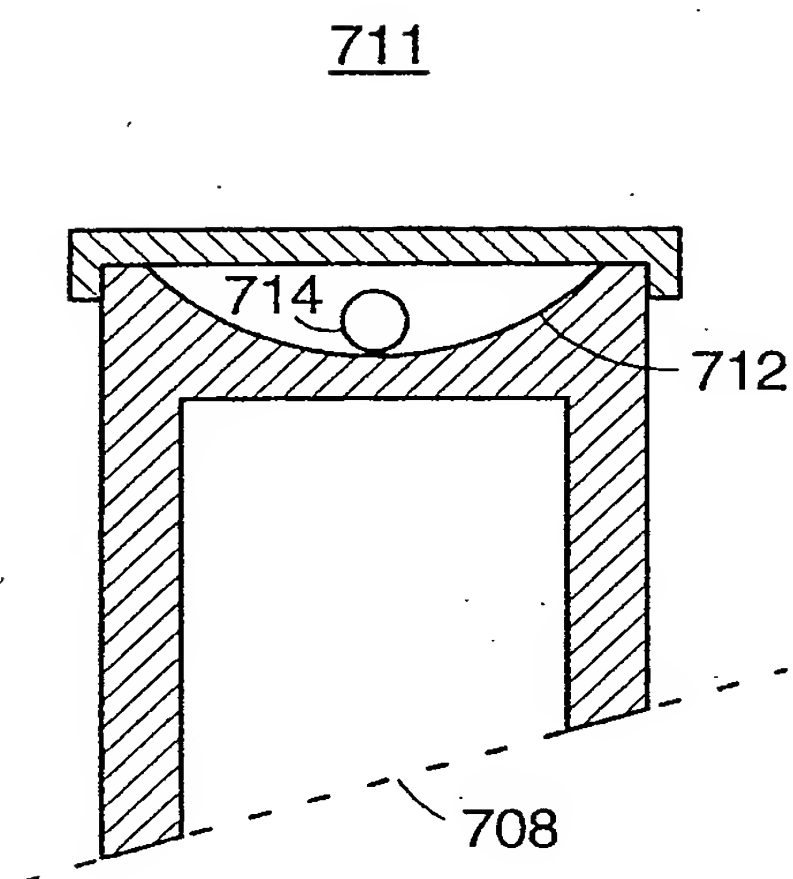


Figure 31F

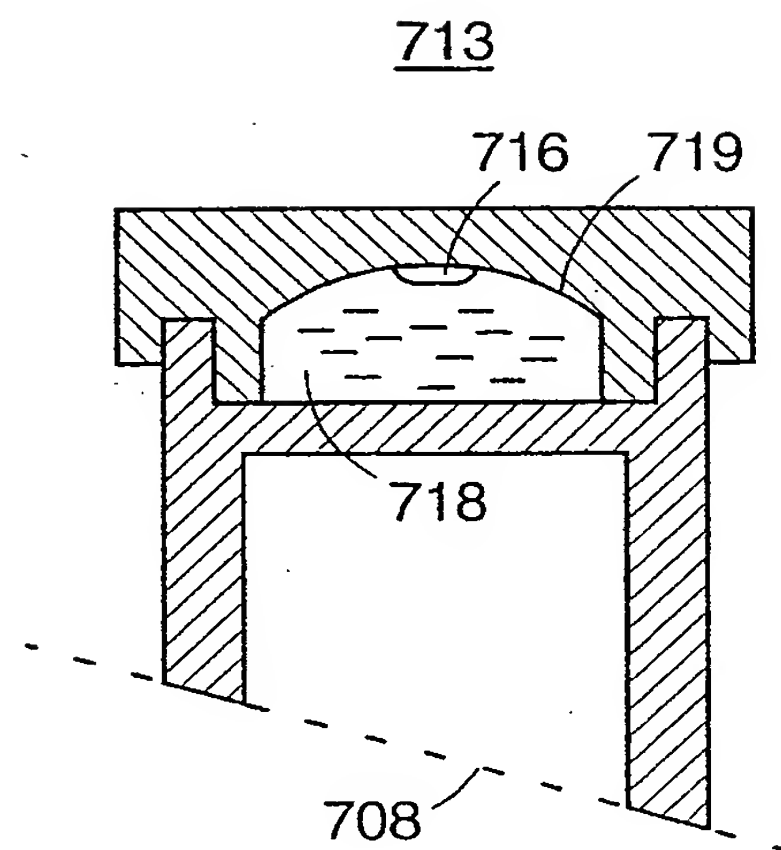


Figure 31G

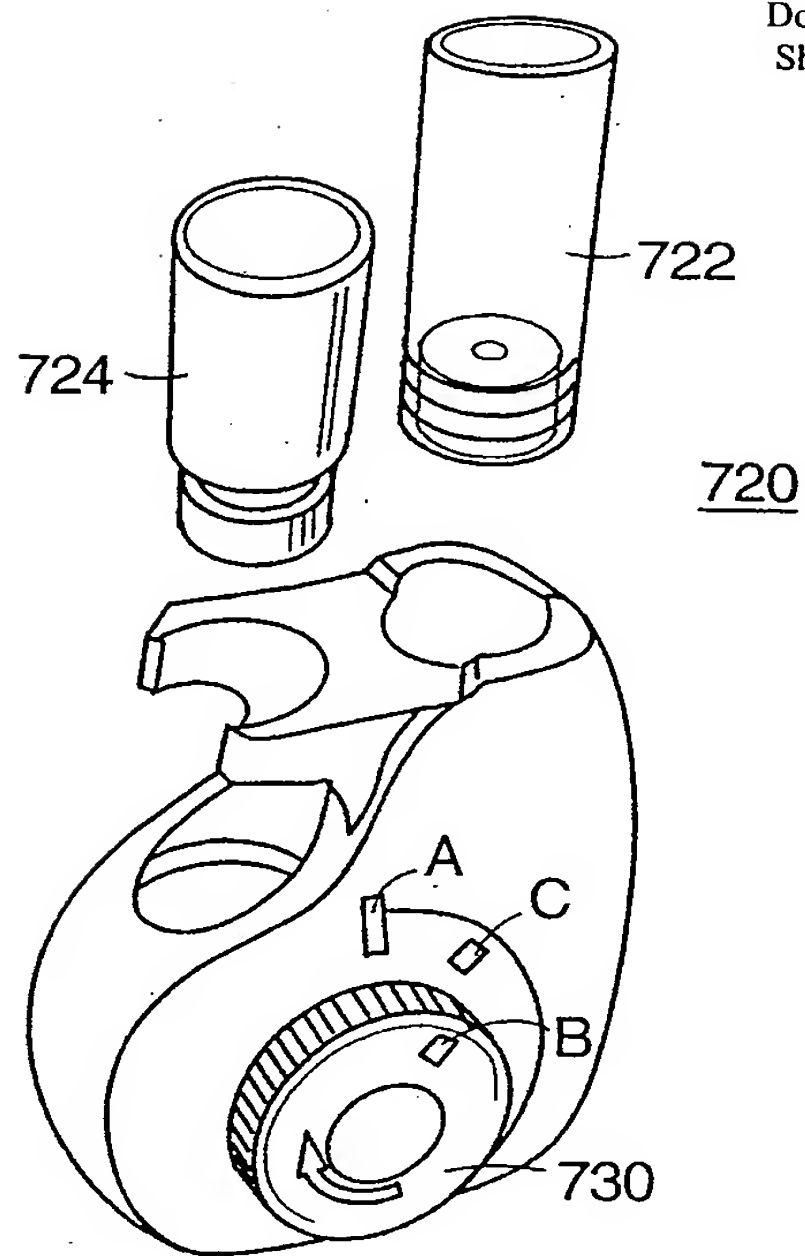


Figure 32A

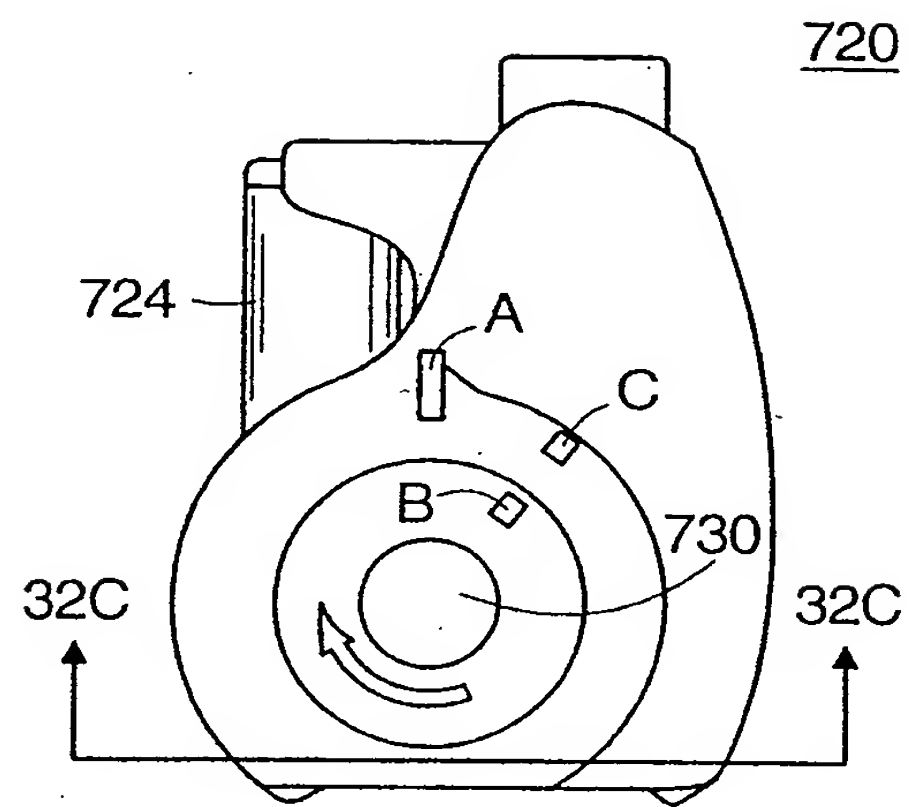


Figure 32B

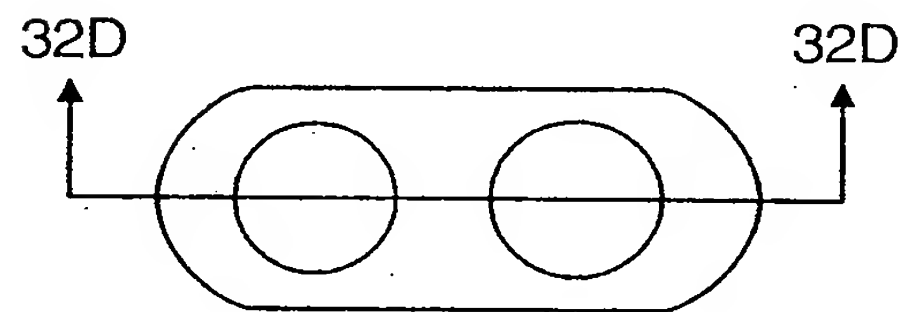


Figure 32C

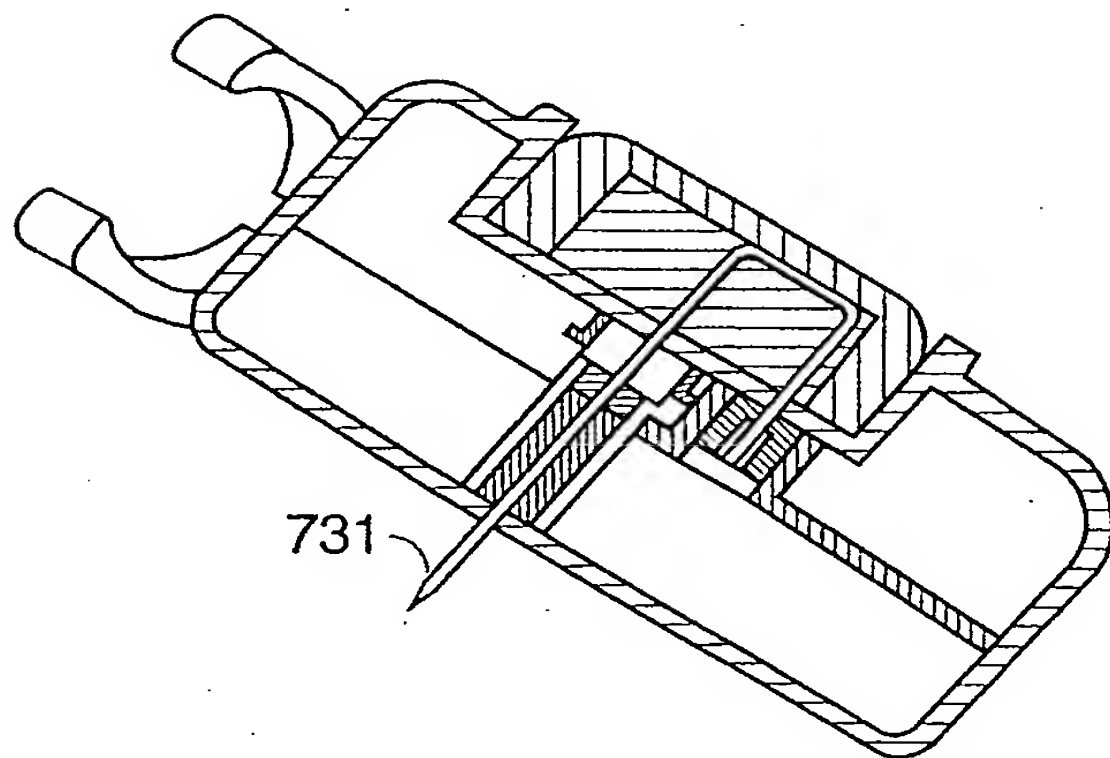


Figure 32D

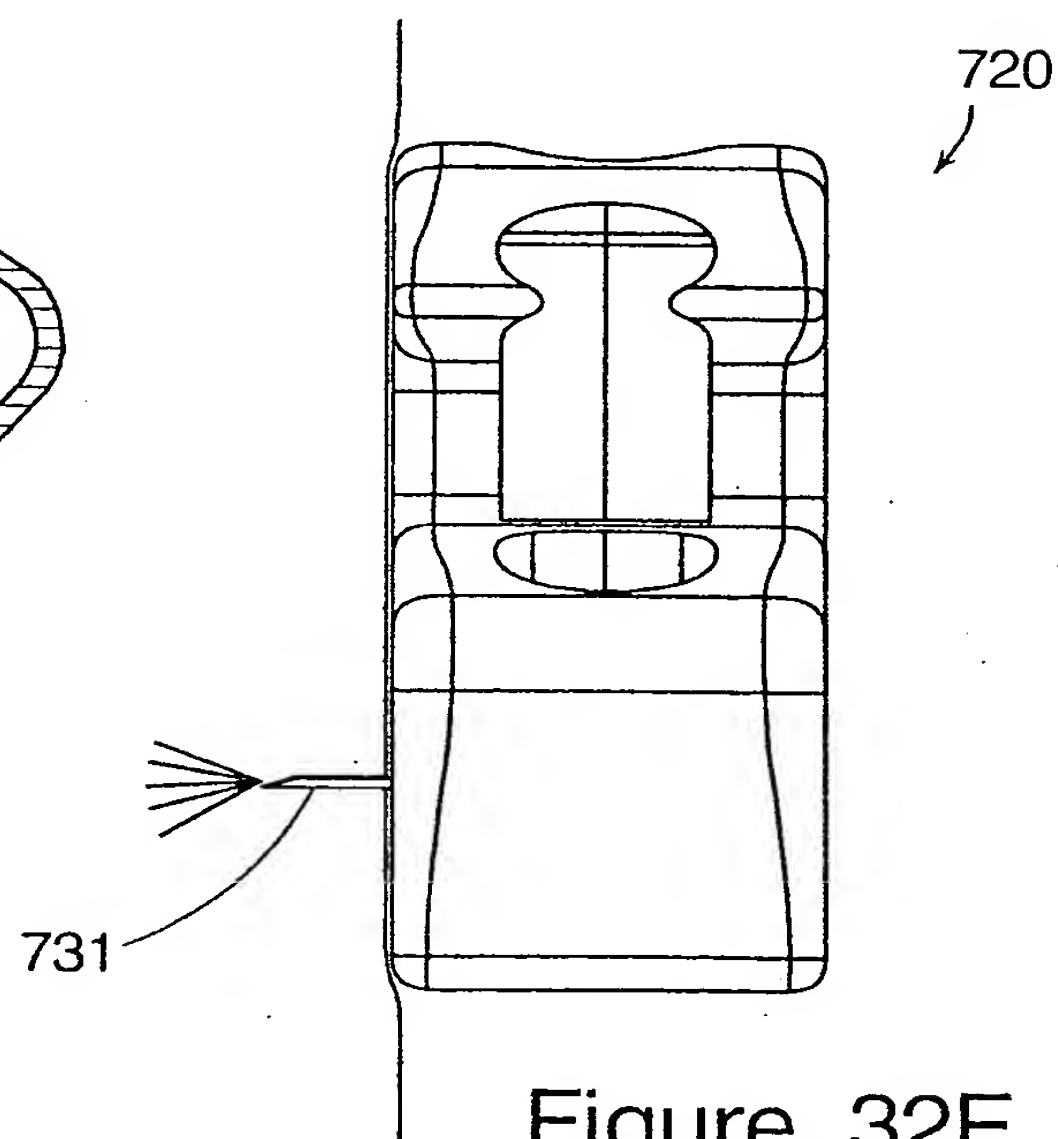


Figure 32E

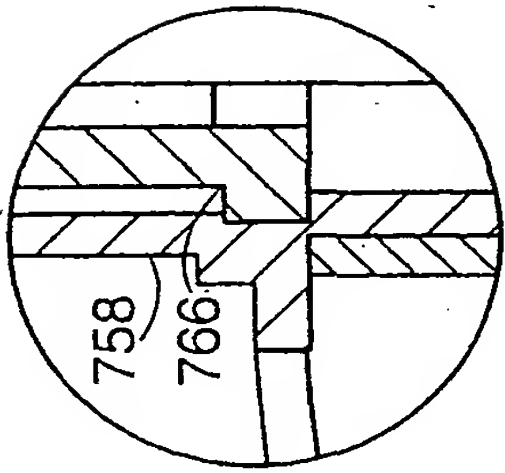


Figure 33A-1

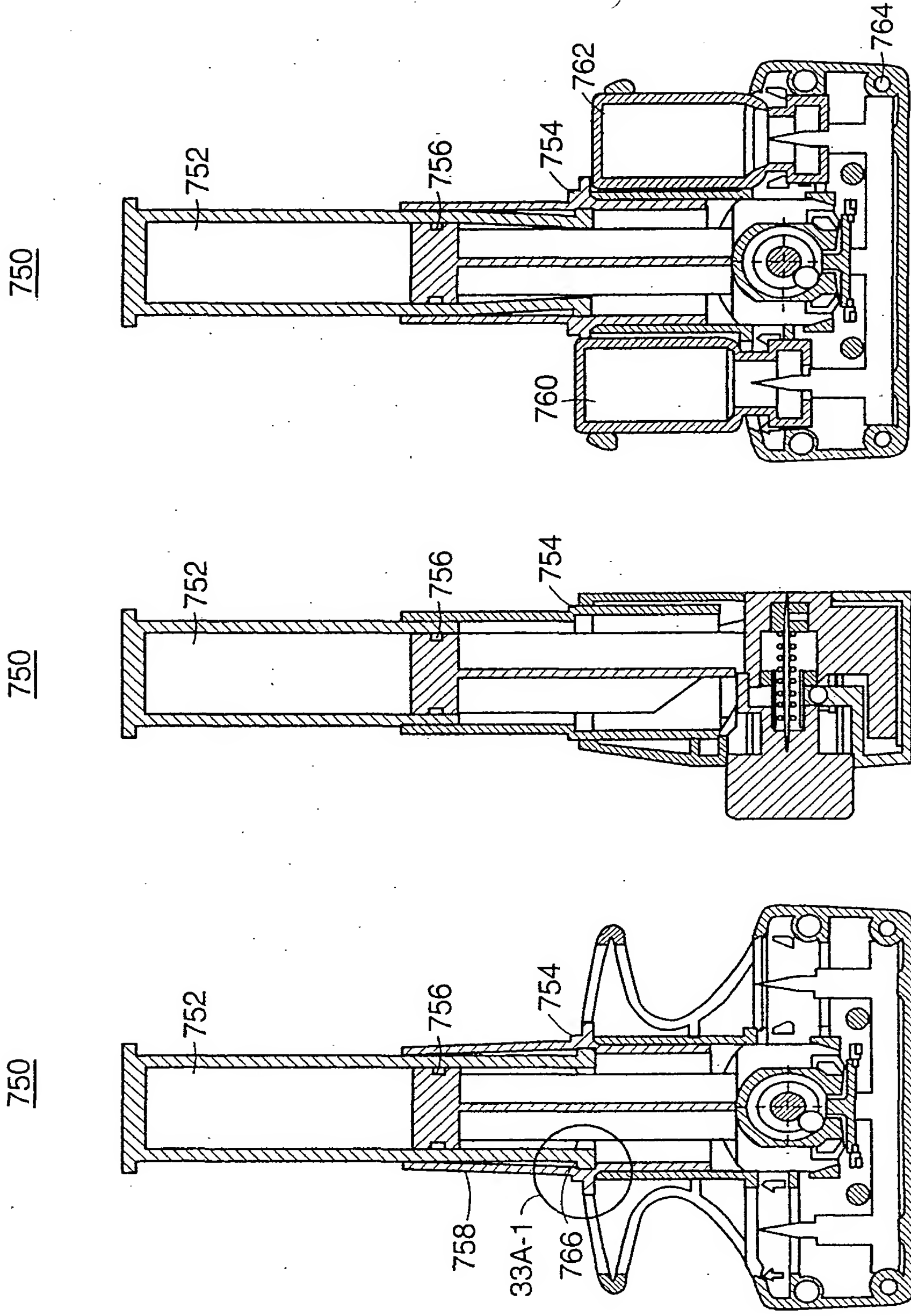


Figure 33A

Figure 33B

Figure 33C

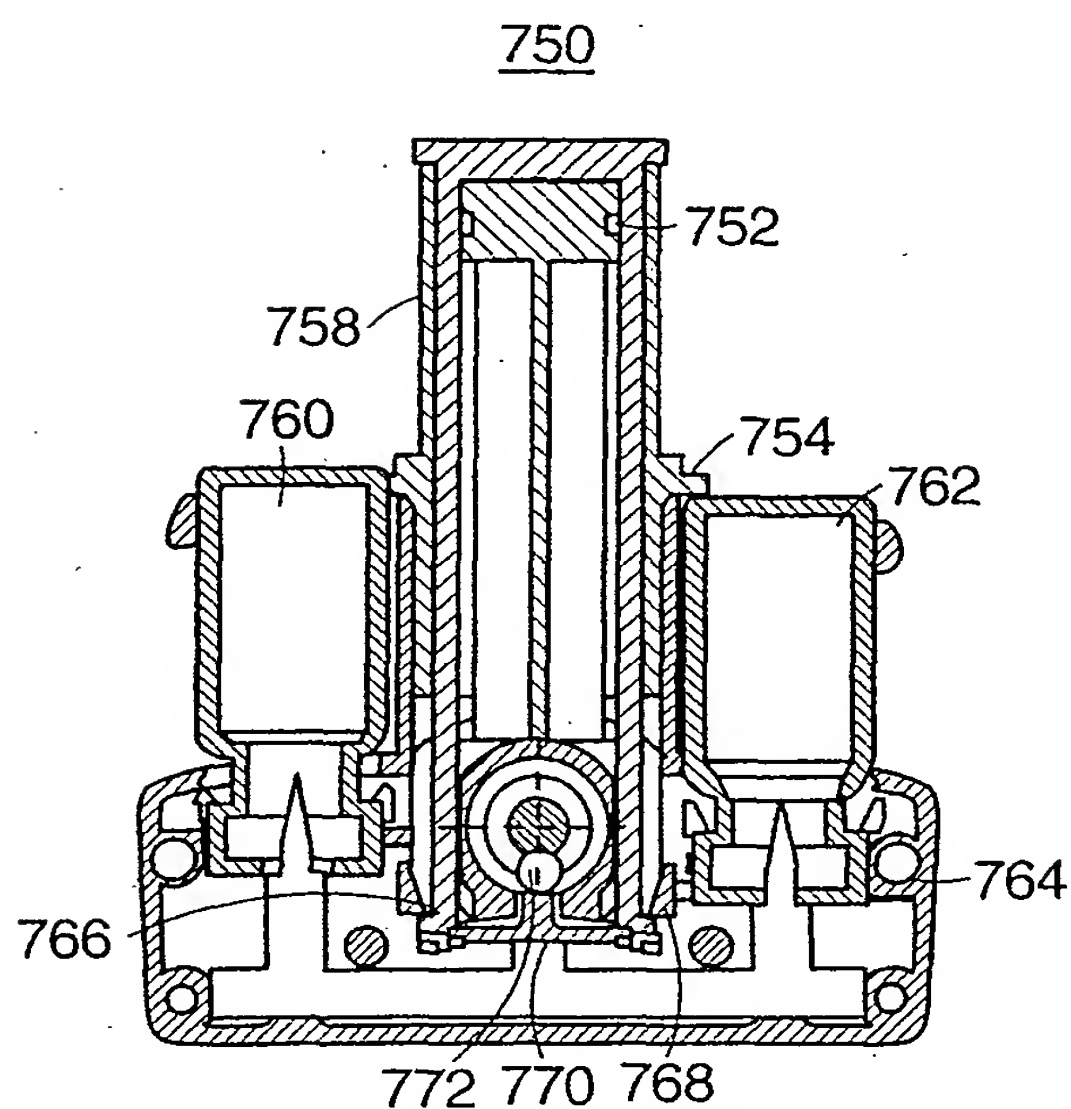


Figure 33D

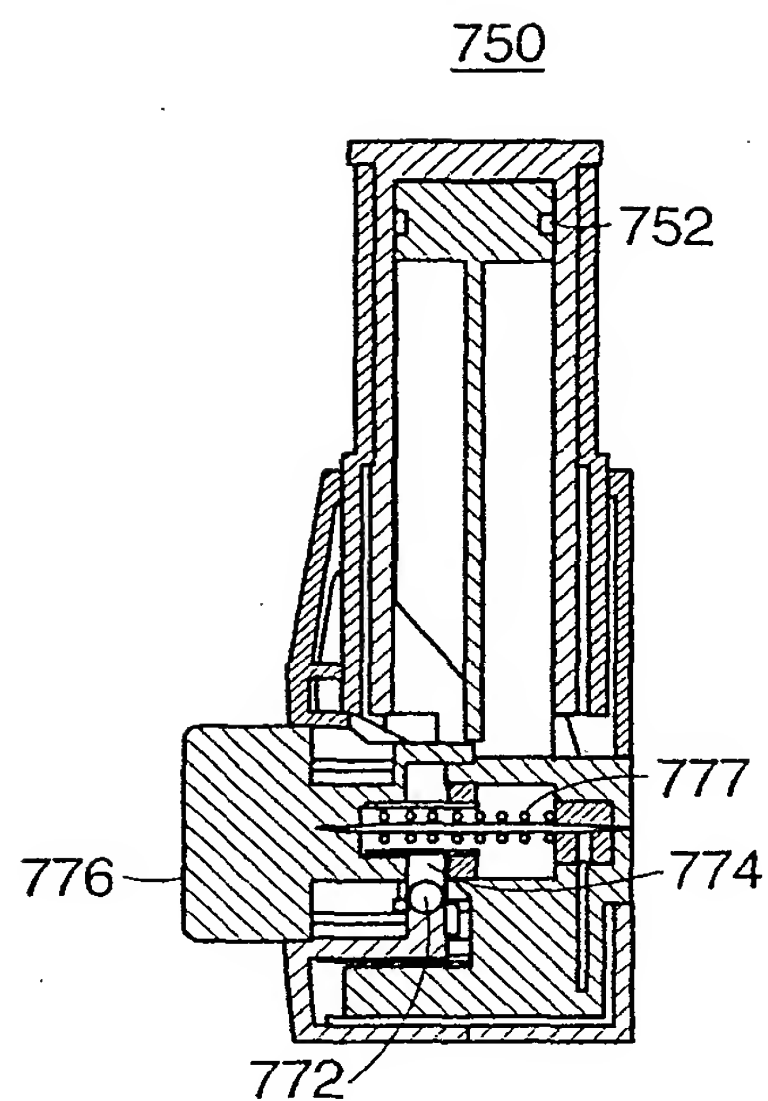


Figure 33E

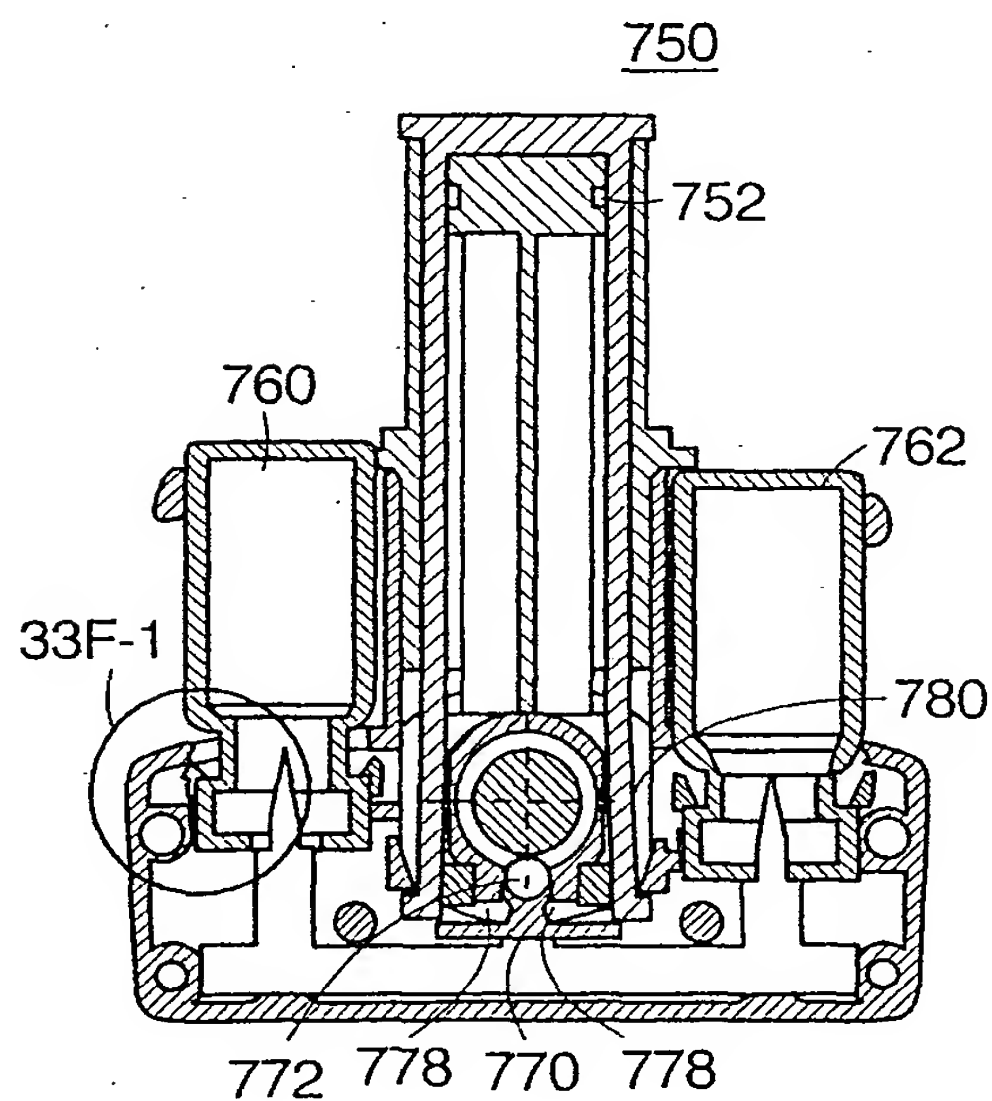


Figure 33F

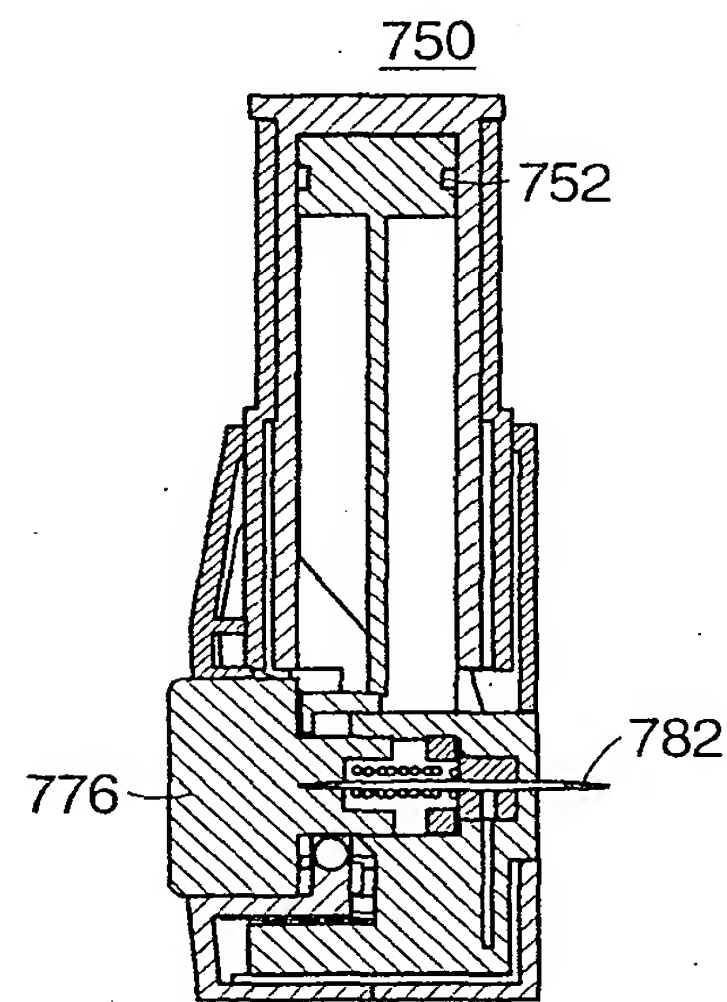


Figure 33G

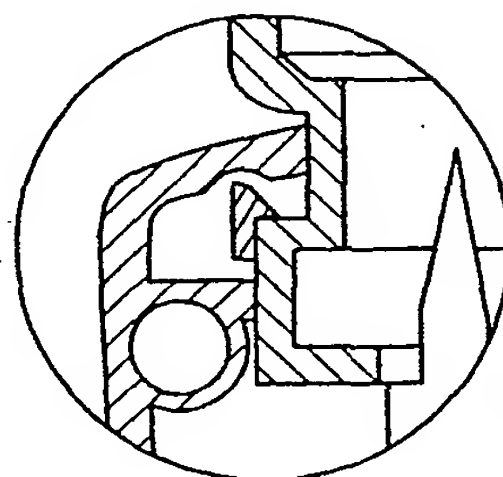


Figure 33F-1

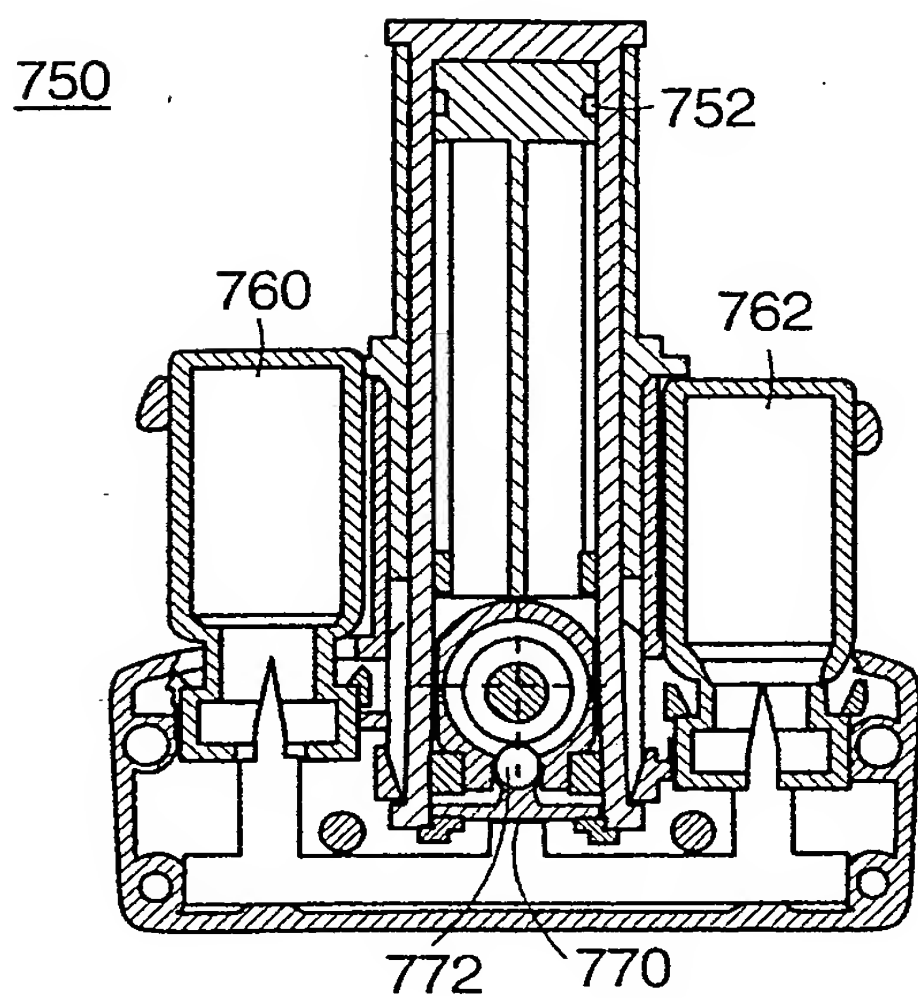


Figure 33H

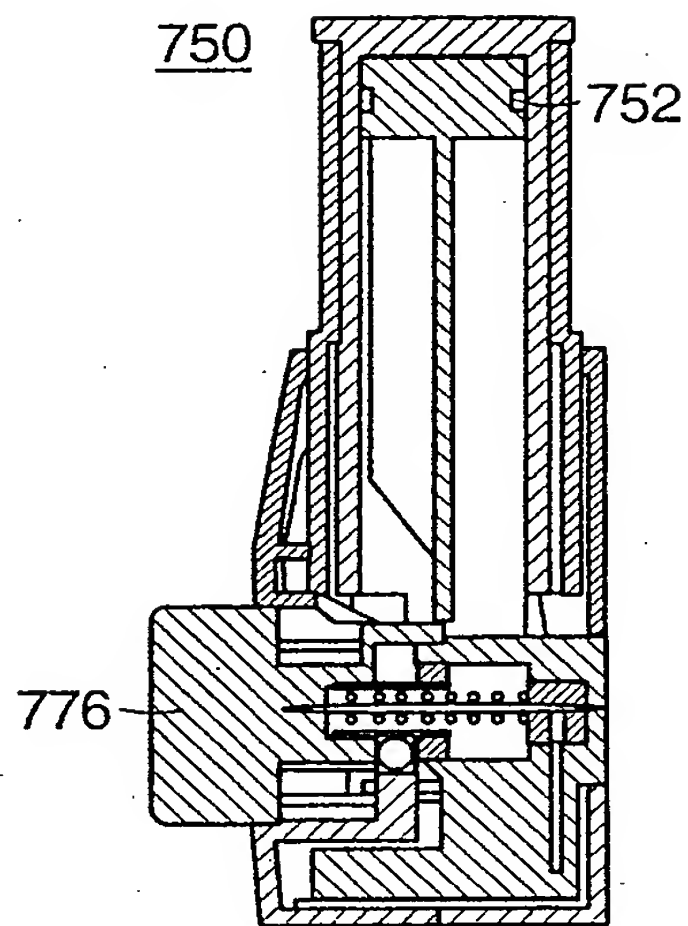


Figure 33I

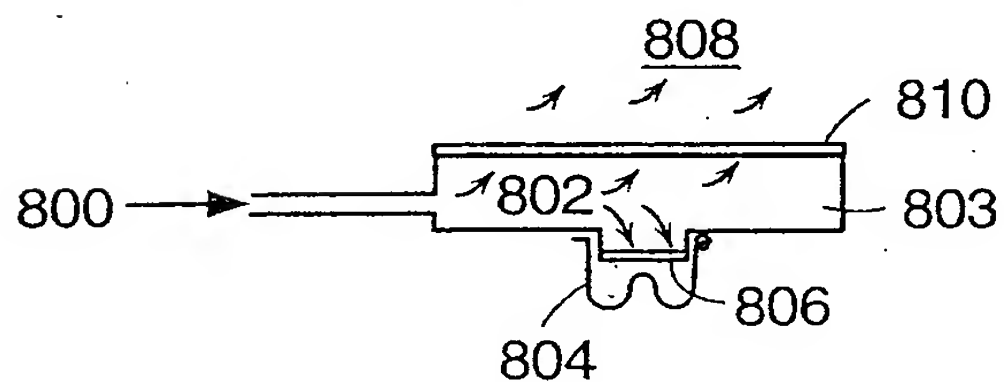


Figure 34A

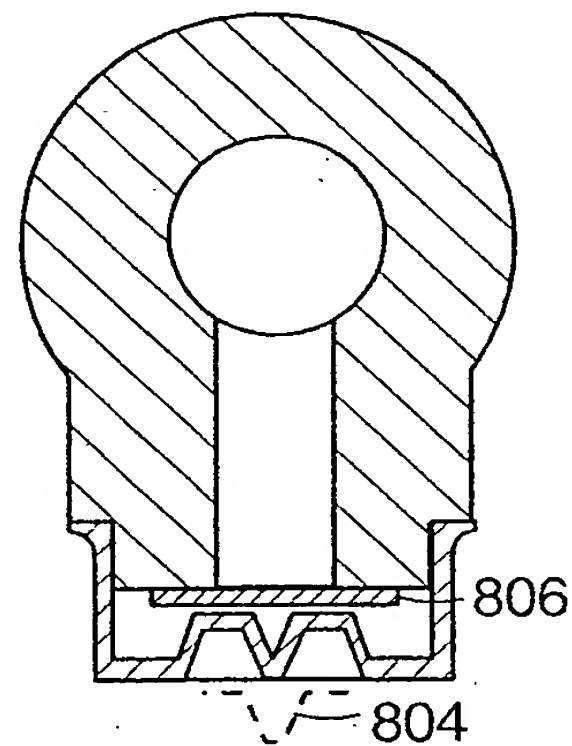


Figure 34C

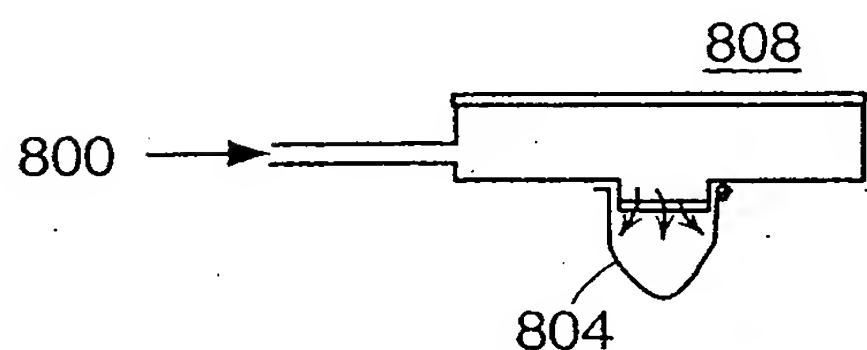


Figure 34B

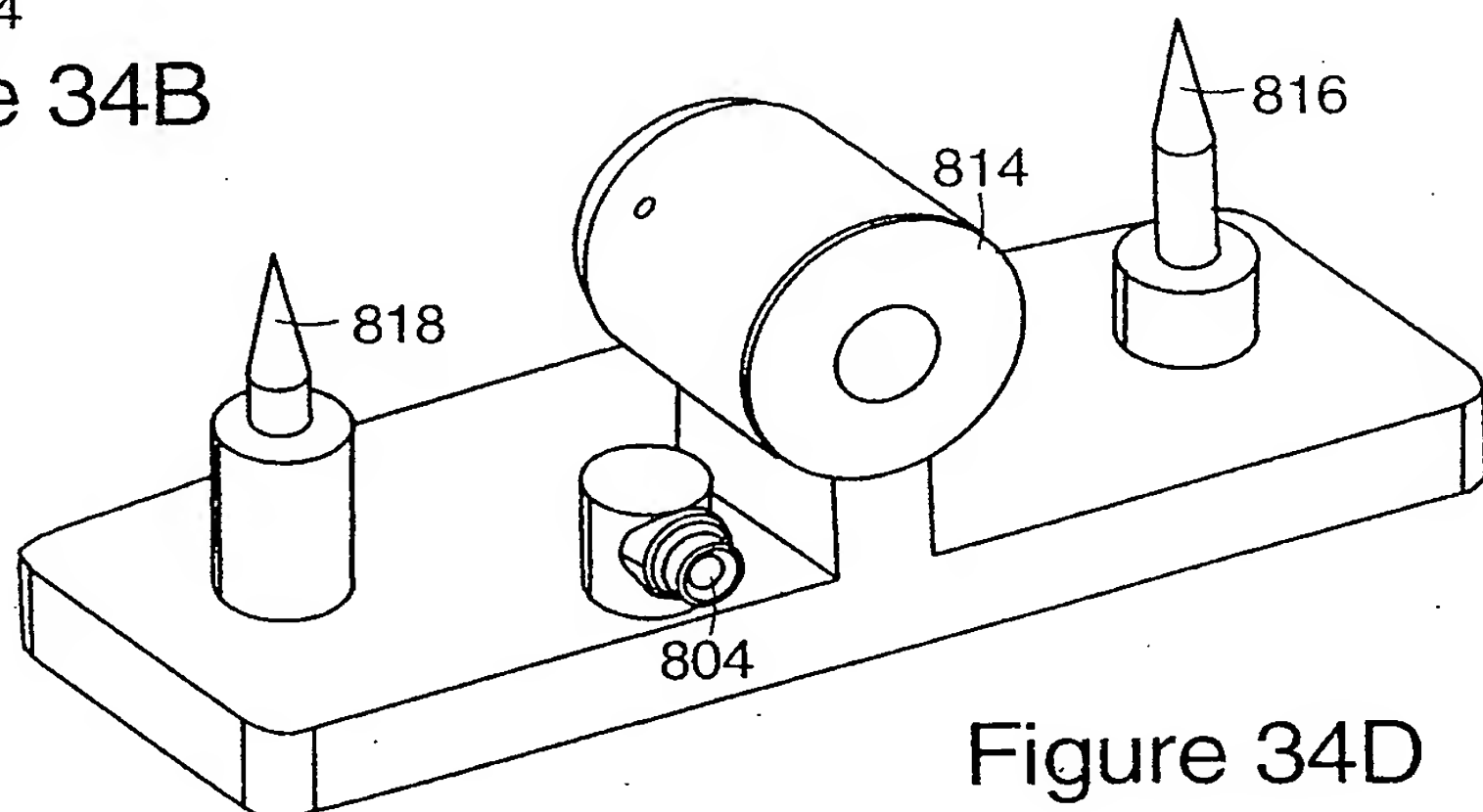


Figure 34D

TYPICAL INJECTION PROFILE
 DELIVERY FROM HIGH VOLUME VIAL

DELIVERY PROFILE (SIMULATION) - NO ADDITIONAL AIR.

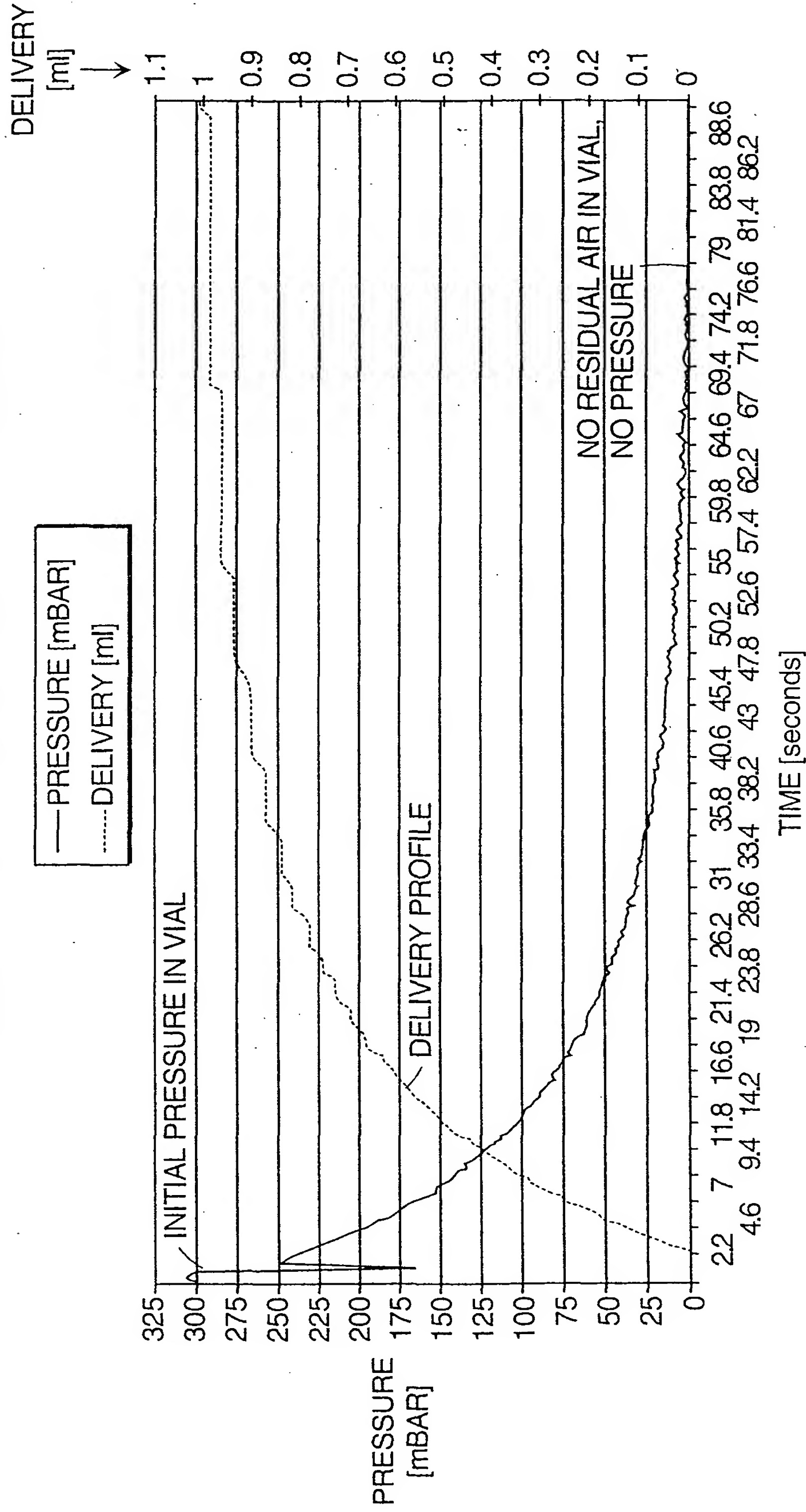


Figure 35

TYPICAL INJECTION PROFILE
 DELIVERY FROM HIGH VOLUME VIAL

DELIVERY DURATION & DELIVERY PRESSURE / AIR VOLUME (SIMULATION CONFIGURATION)

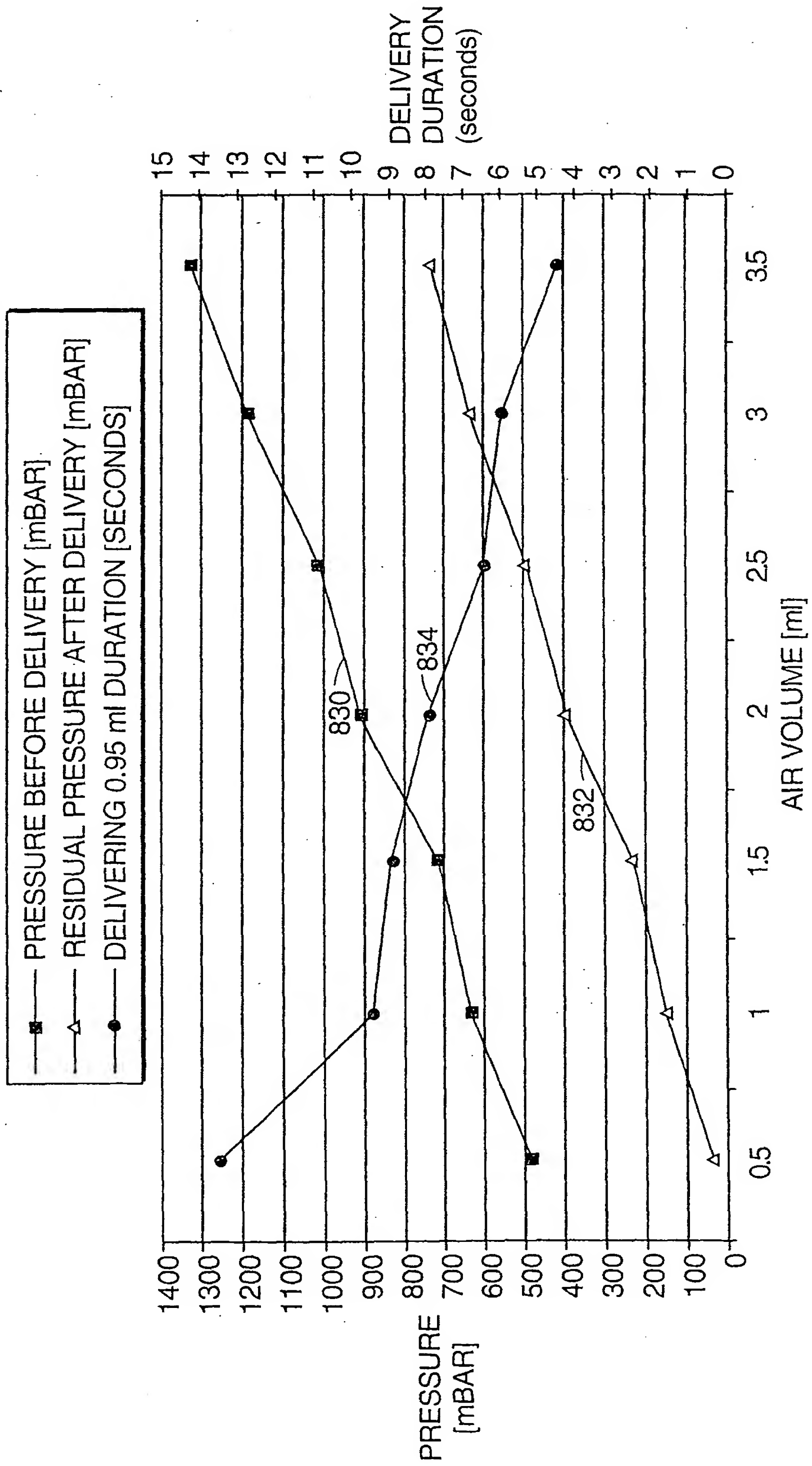


Figure 36

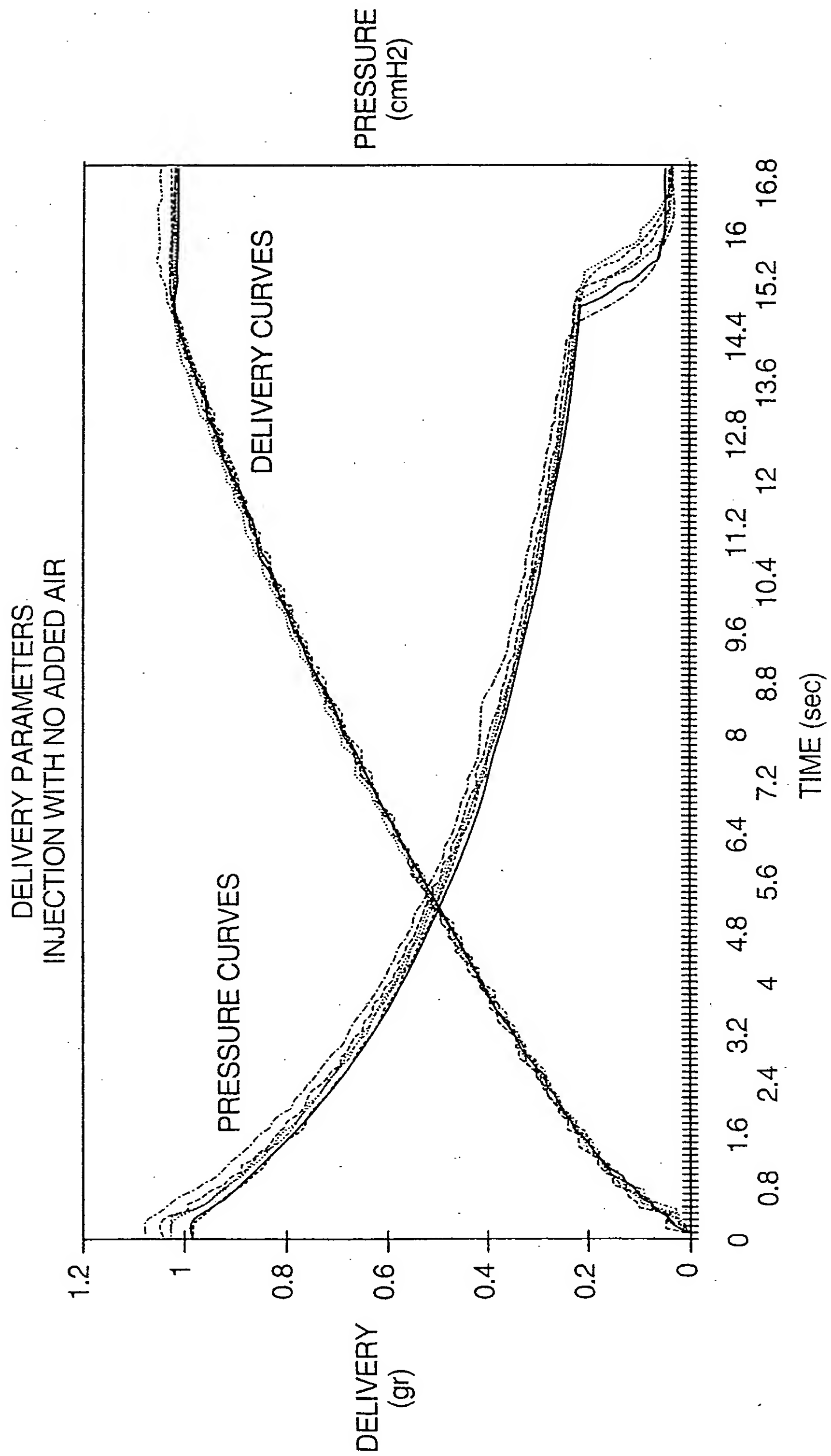


Figure 37

AIR PRESSURE GRADIENT ON HYDROPHILIC MEMBRANE

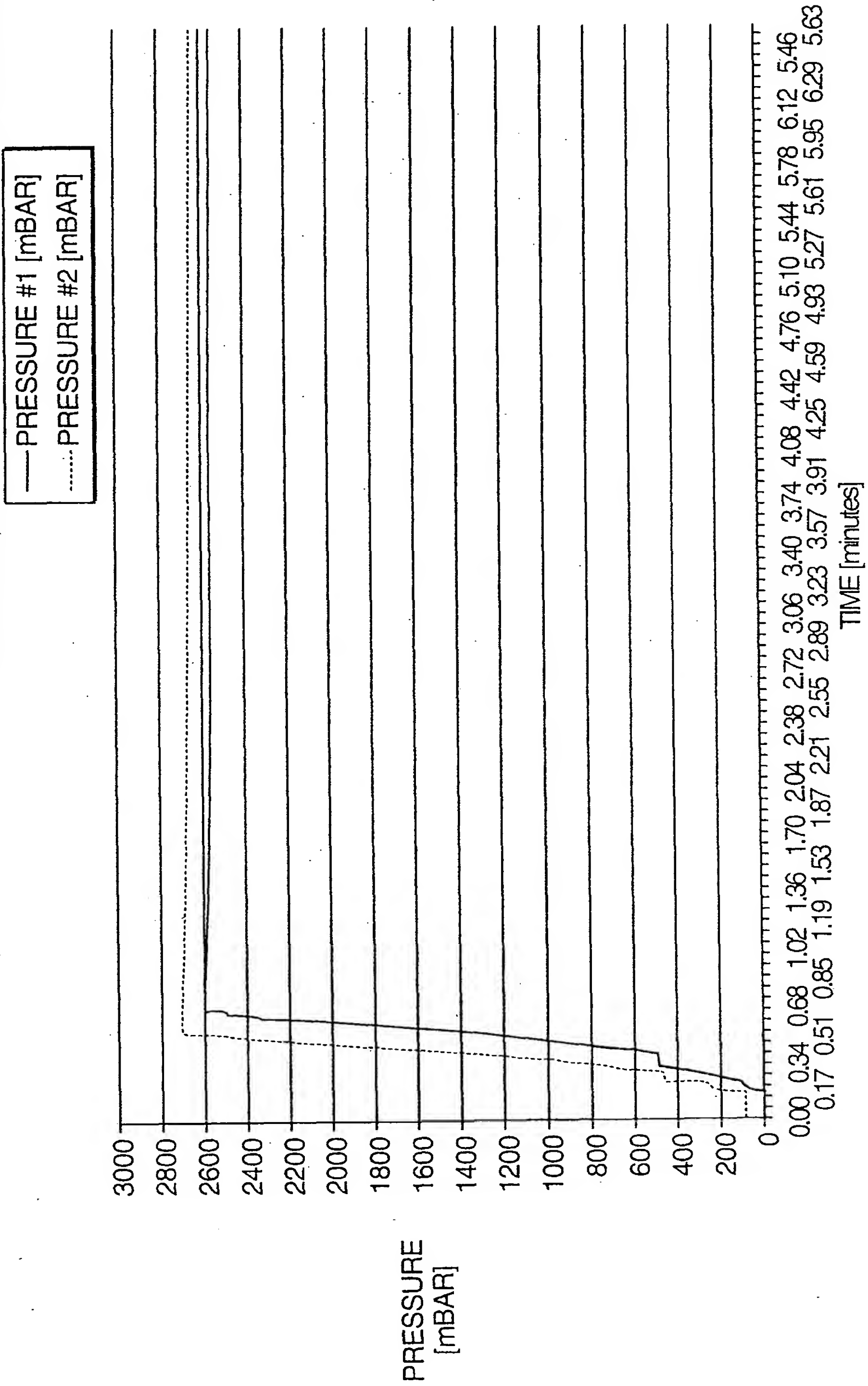


Figure 38

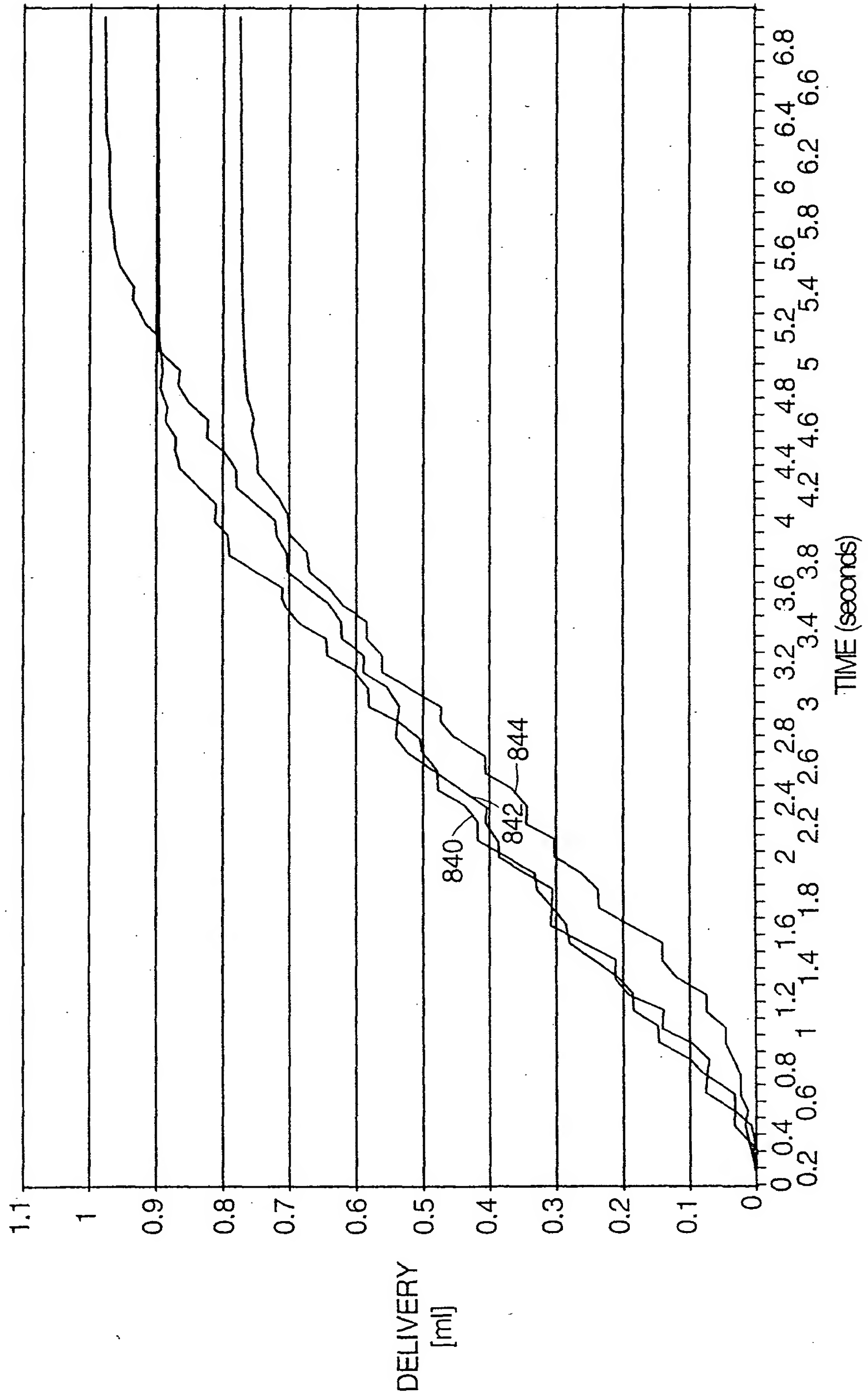


Figure 39

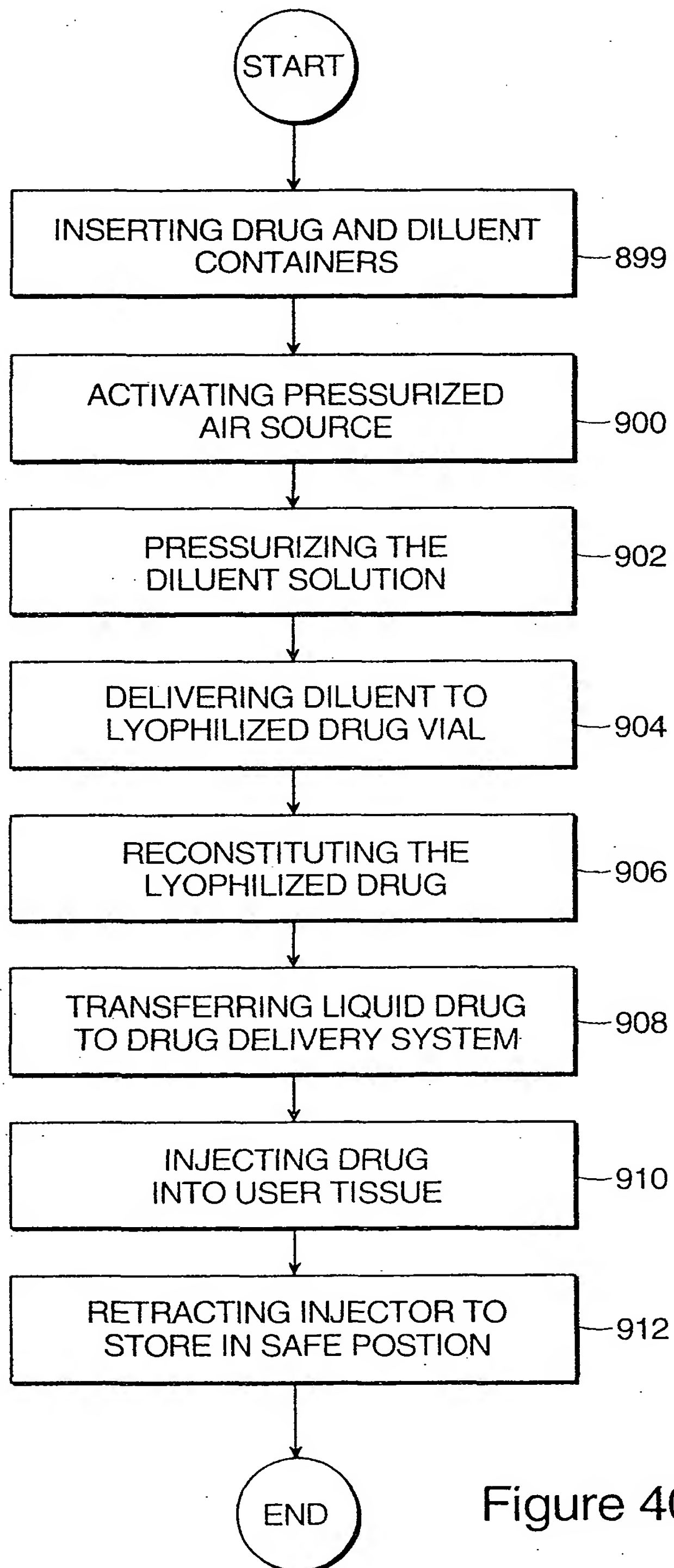


Figure 40

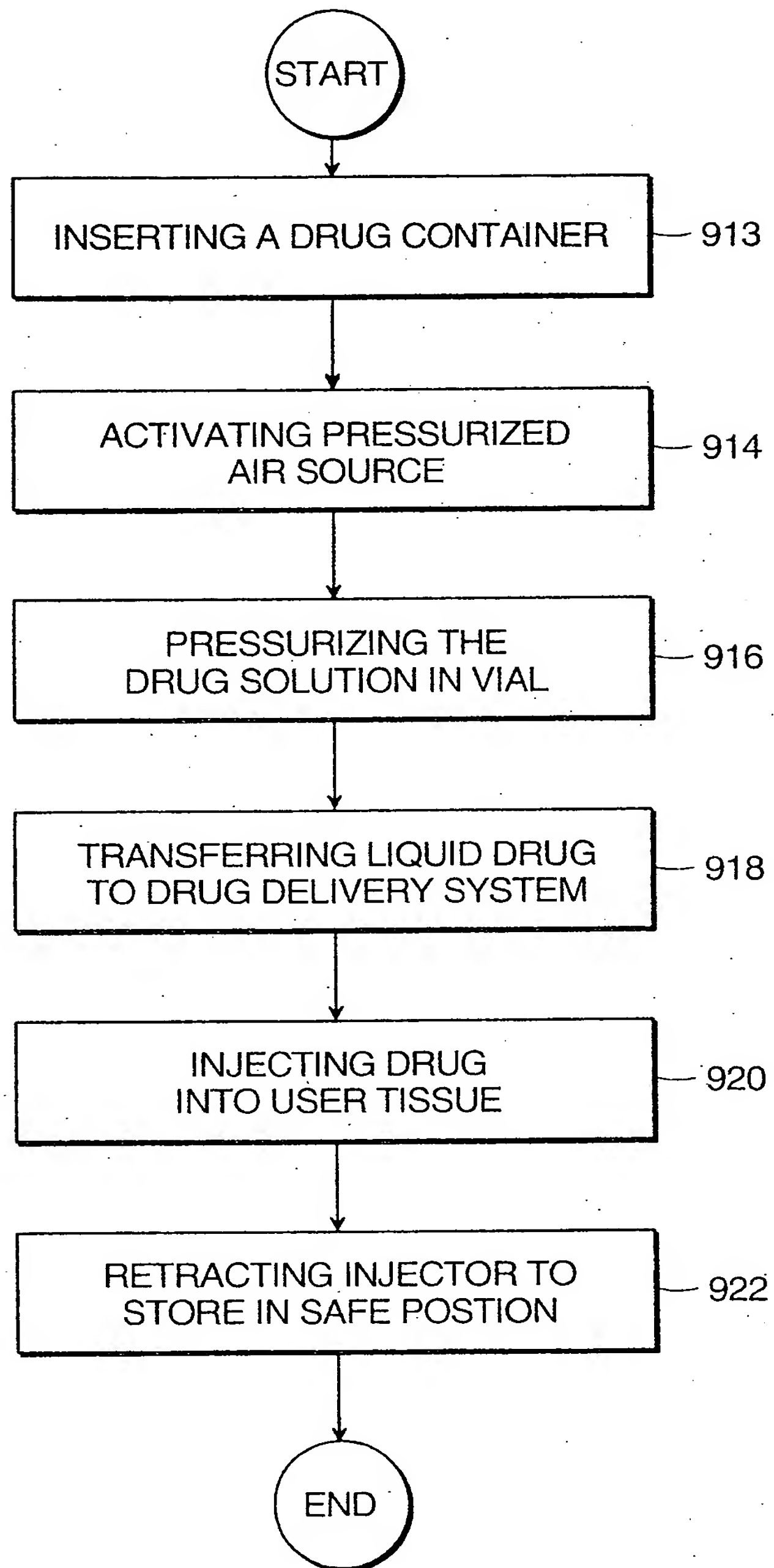


Figure 41